

**Fishery Data Series No. 16-10**

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**Fall Season Cooperative Salmon Drift Gillnet Test  
Fishing in the Lower Yukon River, 2014**

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**Andrew J. Padilla**

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February 2016

Alaska Department of Fish and Game

Divisions of Sport Fish and Commercial Fisheries





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FISHING IN THE LOWER YUKON RIVER, 2014**

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Alaska Department of Fish and Game  
Division of Sport Fish, Research and Technical Services  
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February 2016

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*This document should be cited as follows:*

*Padilla, A. J., and C. M. Gleason. 2016. Fall season cooperative salmon drift gillnet test fishing in the Lower Yukon River, 2014. Alaska Department of Fish and Game, Fishery Data Series No. 16-10, Anchorage.*

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## ABSTRACT

The fall season Lower Yukon drift gillnet test fishery project, operated by the Alaska Department of Fish and Game in cooperation with Yukon Delta Fisheries Development Association, is designed to provide an index of run timing and relative abundance of fall chum salmon *Oncorhynchus keta* and coho salmon *O. kisutch* returning to the Yukon River drainage. Drift gillnets were operated from 16 July through 28 August 2014 in the lower Yukon River near the village of Emmonak, Alaska. Catch per unit effort (CPUE) and age, sex, and length data were collected from drift gillnet catches from the Big Eddy and Middle Mouth test fishery sites operated in the lower river. The test fishery recorded a cumulative CPUE of 2,456 for fall chum salmon; the midpoint of the run occurred on 13 August. Fall chum salmon were predominantly age-0.3 fish, this age class making up 51% ( $n = 473$ ) of the unweighted age sample ( $n = 928$ ). The cumulative CPUE for coho salmon was 638 with the midpoint occurring on 18 August. Age-2.1 coho salmon were the most abundant, making up 85% ( $n = 276$ ) of the unweighted age sample ( $n = 326$ ). Cumulative CPUE of fall chum and coho salmon at the project suggests the relative abundance of both species was higher in 2014 compared to historical data. In 2014, the fall season Lower Yukon drift gillnet test fishery project provided critical information that was used to make inseason management decisions regarding prosecution of commercial and subsistence fisheries for fall chum and coho salmon.

Key words chum salmon *Oncorhynchus keta*, coho salmon *Oncorhynchus kisutch*, gillnet test fishery, assessment, catch per unit effort (CPUE), Yukon River

## INTRODUCTION

The Yukon River is the largest river in Alaska, draining an area of approximately 330,000 square miles of both Canada and Alaska. The river flows northwesterly from its headwaters in British Columbia through Yukon Territory and Interior Alaska before reaching the Bering Sea. Subsistence, commercial, personal use, and sport fisheries harvest salmon within the drainage. Management of these fisheries is complex because of the number, diversity, and geographic range of fish stocks and user groups. Several abundance and run timing assessment projects operate throughout the drainage and provide information at critical junctions in the salmon migration (Figure 1). In the Yukon River, the fall season Lower Yukon fall drift gillnet test fishery (LYTF) provides the first indication of fall chum salmon *Oncorhynchus keta* and coho salmon *O. kisutch* pulses entering the north, middle, and south mouths of the river. This project provides an index of abundance, and run timing information, which is used for inseason management of commercial and subsistence fisheries for fall chum salmon and coho salmon.

In the lower portion of the Yukon River, the Alaska Department of Fish and Game (ADF&G), Division of Commercial Fisheries operates the drift gillnet test fishery. Since 2001, the fall season project has run seasonally from 16 July through 28 August (Padilla and Brandt 2014; Clark and Hayes 2002). Beginning in 2010, the Yukon Delta Fisheries Development Association (YDFDA) extended test fish operations into September. In 2014, YDFDA operated the program from 29 August to 20 September. Drifts and data collection continued without a break in operation. The intent of the test fishery extension was to determine the extent of fall chum and coho salmon passage estimates, beyond the traditional project termination date of 28 August, for the consideration of additional commercial openings. No additional commercial fishing openings resulted from the project extension. Data for the extended operation are included in this report for completeness (Appendix A). However, to provide for historical data comparisons, this report will primarily discuss data through 28 August.

Inseason run timing, relative abundance indices, and age composition data are collected by this project, which provides critical data for the management of the Yukon area fall chum and coho salmon stocks. In conjunction with data provided by other fall projects, in particular the daily passage estimates based on the sonar operated near Pilot Station, the collected data are used

inseason to assess salmon abundance and monitor their passage through the lower Yukon River. Firstly, this project provides an indication of when fall chum and coho salmon transit the individual North/Middle and South mouths of the Yukon River Delta. In the lower portion of the Yukon River, fall chum salmon are estimated to travel 56 km (35 miles) per day and coho salmon travel an estimated 48 km (30 miles) per day. Salmon pulses observed in LYTF catches (river kilometer [rkm] 39, or river mile 24) provide estimates of abundance and timing expected to reach the sonar located near Pilot Station (rkm 200, or river mile 124) approximately 3 days later. Secondly, catch per unit of effort (CPUE) is the index used to determine relative abundance for fall chum and coho salmon. Typically, if LYTF and the sonar operated near Pilot Station corroborate timing and magnitude of the salmon run, it is an indication that neither project was affected by operational problems such as debris, high water, and turbidity. Thirdly, age composition information from fall chum salmon is used to estimate the age structure of brood years which, in turn, is an integral part of preseason run forecasting. The information provided by this project guides management decisions relating to spawning escapement goals, objectives under the Yukon River Salmon Agreement, and the prosecution of fisheries within the Yukon River drainage.

## **OBJECTIVES**

The project objectives for the 2014 fall season were to:

- 1) Estimate daily CPUE of fall chum and coho salmon entering the mouths of the Yukon River;
- 2) Estimate the age, sex, and length (ASL) composition of fall chum and coho salmon so the 90% confidence interval bounds are no greater than  $\pm 5\%$  of the estimated mean, for use in brood year assessment and run forecasting;
- 3) Collect daily climatic and hydrological measurements representative of the study area; and
- 4) Build partnerships and capacity through involvement of local technicians and communities in project operation and information sharing.

## **METHODS**

### **STUDY AREA**

The Lower Yukon fall drift gillnet test fish program is operated near the south and middle mouths of Yukon River (Figure 2). The closest community is Emmonak, which is located approximately 39 rkm (24 river miles) from the south mouth. The test fishery is approximately 159 rkm (99 river miles) downstream from the mainstem sonar operated near Pilot Station (lat 61°57'1"N, long 162°51'37"W). Test fishing at this location allows the assessment of fall chum and coho salmon entering Yukon River.

Two separate drift gillnet sites each were used in Middle Mouth and South Mouth (Big Eddy) of the Yukon River. The Big Eddy test fishery station (Big Eddy), located in the main channel of Kwikluak Pass of the Yukon River, upstream and southeast of the village of Emmonak (Figure 2), is used to assess salmon transiting the South Mouth of the Yukon River. Site 1 at Big Eddy (lat 62°44'34.32"N, long 164°25'31.26"W) is located approximately 0.8 km (0.5 mi) offshore towards the right bank and situated along the south side of a long sandbar (Figure 3). The starting

point of Site 2 (lat 62°44'47.52"N, long 164°27'45.00"W) is located along the left bank, approximately 1.9 km (1.2 mi) downstream, and southwest from the starting point of Site 1.

The Middle Mouth test fishery station (Middle Mouth), located upstream from Kawanak and Apoon Pass (Figure 2), is used to assess the passage of salmon transiting the Middle and North mouths of the Yukon River. Two drift gillnet sites are located in Kwikpak Pass, approximately 7–12 km (4.5–7.5 mi) upstream of the ADF&G Middle Mouth field camp (lat 62°53'52.44"N, long 164°5'49.00"W). The Site 1 drift gillnet starting point is along the left bank of the river (lat 62°47'47.70"N, long 164°04'10.02"W), and Site 2 is located along the right bank (lat 62°50'14.70"N, long 164°06'50.94"W), approximately 5.0 km (3.1 mi) downstream from the starting point of Site 1 (Figure 4).

## **DRIFT GILLNET TEST FISHING**

In 2014, both test fishery stations operated from 16 July through 28 August and used ADF&G personnel. Beginning 29 August, personnel from YDFDA assumed LYTF operations with ADF&G guidance and ran the Big Eddy and Middle Mouth sites through 20 September (Appendix A). Again, the data for the extended operation are included in this report for completeness but will not be discussed further.

Fishing methods were similar at both the Big Eddy and Middle Mouth stations. Gillnets were constructed of Momoi brand MT-73<sup>1</sup> multifilament nylon strand style and diameter size, triple knot, shade 3 (color pale green), and hung “even” at a 2:1 ratio of web to cork line. Gillnet dimensions were 6.0 in (15.2 cm) mesh, 35 meshes in depth, and 50 fathoms (91.4 m) of mesh along the cork line with a cork marking at 25 fathoms (45.7 m).

Drifts were conducted daily at 0800 hours and 2000 hours regardless of tidal stage at 2 sites, Site 1 and Site 2. Typically Site 1 was fished before Site 2 at each fishing period and each location. To avoid test fishing during commercial periods or hazardous weather, drift schedules were adjusted or cancelled. Occasionally Site 2 fished first based on the prevailing winds providing some safety if afforded in the lee. One drift per site per period was attempted. Standard drift times began when the net was full out, about 1 minute after deployment. Under normal operation, gillnets were retrieved after 17 minutes, after which the net retrieval of 2 or 3 minutes began for a total of approximately 20 minutes of fishing time. Also, in times of high salmon abundance, drift time was reduced to avoid saturating the net with fish; in these circumstances, gillnets were retrieved after an estimated 30 fish had been captured for ASL sampling. Salmon catches and drift times were recorded in field notebooks for each site. Both sites' salmon catches were combined into a fish tote or within bins on the boat deck. The calculation of CPUE compensates for times and lengths of gillnets that were fished.

## **TEST FISHING INDEX**

The actual salmon catch for each drift was converted to a drift CPUE and then averaged, producing an estimate that is comparable for South Mouth and Middle Mouth test fishing locations. This was accomplished by converting the number of fish caught in the variable net length and mean fishing time of each drift to the number of fish that would be caught by 100 fathoms (180 m) of net fished for 60 minutes. This standardization of net length and fishing time

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<sup>1</sup> Product names used in this report are included for scientific completeness but do not constitute a product endorsement.

has been used in many gillnet test fisheries conducted by ADF&G (e.g., Meacham 1978; Waltemeyer 1983). The LYTF daily CPUE was calculated by averaging the CPUE of all drifts conducted at the 2 test fishing locations. Denote that:

$i$  = date of test fishery;

$p$  = drift of test fishery;

$s$  = test fishery site at each location;

$l$  = test fishery location;

$f_{i,p,l,s}$  = length of net deployed on day  $i$ , period  $p$ , at location  $l$ , at site  $s$ ;

$t1_{i,p,l,s}$  = time net deployment begins;

$t2_{i,p,l,s}$  = time net fully deployed;

$t3_{i,p,l,s}$  = time net retrieval begins;

$t4_{i,p,l,s}$  = time net fully retrieved;

$C_{i,p,l,s}$  = number of fish by species caught by each drift;

$d_{i,l}$  = total number drifts on day  $i$  at location  $l$ .

For each drift, fishing time ( $T_{i,p,l,s}$ ) was calculated as:

$$T_{i,p,l,s} = \frac{1}{2}(t3_{i,p,l,s} + t4_{i,p,l,s} - t2_{i,p,l,s} - t1_{i,p,l,s}) , \quad (1)$$

and its standardized drift CPUE ( $I_{i,p,l,s}$ ) per 100 fathom net length and 60 minutes of fishing effort was calculated as:

$$I_{i,p,l,s} = 100 \times 60 \cdot \frac{C_{i,p,l,s}}{f_{i,p,l,s} \cdot T_{i,p,l,s}} . \quad (2)$$

Daily CPUE at each location ( $I_{i,l}$ ) was calculated as:

$$I_{i,l} = \frac{\sum_{p,s} I_{i,p,l,s}}{d_{i,l}} . \quad (3)$$

Total LYTF Daily CPUE ( $I_i$ ) was calculated as:

$$I_i = \frac{\sum_{i,p,s} I_{i,p,l,s}}{\sum_l d_{i,l}} . \quad (4)$$

Mean daily CPUE data were summed to produce cumulative seasonal CPUE indices for the period of data collection (Molyneaux 1999). Cumulative proportions of seasonal total test fishery CPUE indices were also calculated and used to estimate the quarter points and midpoint of the fall chum and coho salmon runs. Timing of fall chum and coho salmon runs are used for interannual comparisons.

## **AGE, SEX, AND LENGTH SAMPLING**

Age, sex, and length (ASL) data were collected from retained fall chum and coho salmon. A maximum daily sampling target of 30 fall chum and 20 coho salmon were attempted daily at each of the Big Eddy and Middle Mouth stations. During fall chum salmon pulses, or periods of high abundance, up to 15 additional fall chum salmon were collected and sampled for ASL, for a daily maximum of 45 samples. All salmon lengths were measured to the nearest millimeter from mid eye to tail fork (METF) using Hagl f brand calipers. The sex of each salmon was verified by visual examination of the gonads through a small ventral incision. Age was determined by examining scales (Mosher 1968). Scales were collected from the left side of the fish approximately 2 rows above the lateral line in an area crossed by a diagonal from the posterior insertion of the dorsal fin to the anterior insertion of the anal fin (INPFC 1963). One scale per fish was collected from chum salmon. Because of the high rate of scale regeneration among coho salmon, 3 scales were collected from each fish. Scales were mounted on gummed cards and impressions were made in cellulose acetate (Clutter and Whitesel 1956). European notation (Koo 1962) was used to record ages; numerals preceding the decimal refer to the number of freshwater annuli and numerals following the decimal refer to the number of marine annuli. Total age from time of egg deposition, or brood year, is the sum of these 2 numbers plus 1 to account for incubation time.

## **CLIMATIC AND HYDROLOGICAL OBSERVATIONS**

Climate and hydrological data were collected daily at approximately 0800 and 2000 hours at both Big Eddy and Middle Mouth stations (Appendix B). Air and water temperatures were measured using a handheld thermometer and HOBO U22 water temperature data loggers suspended approximately 30 cm (12 in) below the surface from docks located 10 m (33 ft) offshore. The data loggers were preset to record temperature every hour of each day. Daily observations of wind speed and direction, cloud cover, and precipitation were also recorded. Water levels are affected by tides and therefore water stages are not collected at this project. Depth measurements were made once per week at each drift gillnet site throughout the season to construct bottom profiles. Depth readings were taken with a console-mounted Garmin depth sounder device and recorded at the nearshore buoy, mid-net, and offshore buoy while setting the net. Additional depth readings were recorded halfway through the drift and while the net was being retrieved.

## **PARTNERSHIP AND CAPACITY BUILDING**

The YDFDA, in partnership with ADF&G, has provided qualified technicians to help with test fishery operations since 2004. Six local technicians have been trained and incorporated into the test fishery. In 2014, the Middle Mouth test fishery crew consisted of 2 rotating YDFDA technicians and 1 ADF&G technician. The Big Eddy crew consisted of 2 rotating YDFDA technicians and 1 ADF&G technician.

Also, since 2011, YDFDA provided funding and crew to extended test fish operations past mid-September. Drift gillnets, sampling equipment, and data recording material were provided by ADF&G. The intent of the test fishery extension was to determine the extent of fall chum and coho salmon passage estimates, beyond the traditional project termination date of 28 August, for the consideration of additional commercial fishing openings.

Information sharing is an important part of building a reciprocating capacity and partnership. Local YDFDA technicians shared their knowledge of river navigation. Local subsistence fishermen provided catch information which aided in verifying test fishing catches. The cooperative LYTF project contributed salmon catch, CPUE, and timing data to the local and general public along the entire Yukon River drainage. In addition, salmon retained in the test fishery were donated to local families (Appendix D3).

## **RESULTS**

### **FALL CHUM SALMON**

In 2014, a total of 1,840 fall chum salmon were caught from Big Eddy and Middle Mouth stations combined (Table 1), resulting in a cumulative average CPUE of approximately 2,456 through 28 August (Table 1). The midpoint of the fall chum salmon run at these locations combined occurred on 13 August (Table 1). Approximately 60% of the daily CPUE for fall chum salmon were above the 2001–2013 historical medians (Figure 5). The cumulative CPUE for fall chum salmon in 2014 was above the historical median of 1,230 (Figure 6; Appendix C1).

At Big Eddy (Sites 1 and 2 combined), 1,549 fall chum salmon were captured resulting in a cumulative CPUE of approximately 4,350 (Table 1). The midpoint of the fall chum salmon run at Big Eddy was 13 August. Morning drifts at Big Eddy produced 60% (Site 1) and 64% (Site 2) of the fall chum salmon (Appendix D1).

At Middle Mouth (Sites 1 and 2 combined), 291 fall chum salmon were captured resulting in a cumulative CPUE of approximately 562 (Table 1). The midpoint of the fall chum salmon run at Middle Mouth was 1 August. Morning drifts at Middle Mouth produced 50% (Site 1) and 51% (Site 2) of the fall chum salmon (Appendix D2).

A total of 928 fall chum salmon were sampled from both stations combined for ASL determination (Table 2). Females accounted for an unweighted 57.8% ( $n = 536$ ) of the fish sampled at both stations. Age-0.3 was the dominant age class making up 51% of the fish aged, whereas age-0.2, -0.4 and -0.5 fish represented 2.2%, 45.6%, and 1.3% of the unweighted age sample. Mean lengths for females were 556 mm for age-0.2 ( $n = 13$ ), 578 mm for age-0.3 ( $n = 264$ ), 599 mm for age-0.4 ( $n = 250$ ), and 593 mm for age-0.5 ( $n = 9$ ). Mean lengths for males were 567 mm for age-0.2 ( $n = 7$ ), 587 mm for age-0.3 ( $n = 209$ ), 614 mm for age-0.4 ( $n = 173$ ), and 641 mm for age-0.5 ( $n = 3$ ).

During the 2014 season, the dominant winds at the Emmonak Airport were from the south and west. South and west winds were associated with high daily CPUE and 62% of the overall CPUE at LYTF (Appendix B3). This influence of southwesterly winds on CPUE is consistent with the 2001–2014 LYTF CPUE and Emmonak Airport winds (Appendix B4), and local knowledge.

### **COHO SALMON**

Through 28 August, a total of 498 coho salmon were caught at the combined Big Eddy and Middle Mouth stations resulting in a cumulative average CPUE of approximately 638 (Table 3). The midpoint of the coho salmon run occurred on 18 August (Table 3). Fifty percent of the daily CPUEs were above historical medians (Figure 7). The cumulative CPUE for coho salmon in 2014 was above the historical median of 342 (Figure 8; Appendix C4).

A total of 450 coho salmon were captured at Big Eddy (Sites 1 and 2 combined), with a corresponding cumulative CPUE of 1,177 (Table 3). The midpoint of the coho salmon run at Big Eddy was 18 August (Table 3). Morning drifts at Big Eddy produced 58% (Site 1) and 68% (Site 2) of the coho salmon (Appendix D1).

A total of 48 coho salmon were captured at Middle Mouth, (Sites 1 and 2 combined), resulting in a cumulative CPUE of 99 (Table 3). The midpoint of the run at Middle Mouth was 19 August (Table 3). Morning drifts at Middle Mouth produced 46% (Site 1) and 35% (Site 2) of the coho salmon (Appendix D2).

A total of 326 coho salmon were sampled for ASL determination (Table 4). Females made up 48.5% ( $n = 158$ ) of the coho salmon sampled. Coho salmon age-2.1 composed 84.7% and age-1.1 represented 8.3%, followed by age-3.1 with 7.1% of the unweighted age sample. Mean lengths for females were 556 mm for age-1.1 ( $n = 9$ ), 561 mm for age-2.1 ( $n = 138$ ), and 565 mm for age-3.1 ( $n = 11$ ). Mean lengths for males were 543 mm for age-1.1 ( $n = 18$ ), 554 mm for age-2.1 ( $n = 138$ ), and 551 mm for age-3.1 ( $n = 12$ ).

## **ACKNOWLEDGEMENTS**

The Lower Yukon River drift gillnet test fishery project is a cooperative study between ADF&G and Yukon Delta Fisheries Development Association (YDFDA). The Alaska Department of Fish and Game would like to acknowledge the work of the entire technical staff dedicated to this project, including ADF&G staff members Mick Leach, Joel Hunt, Nick Ellickson, and Sabrina Garcia; and YDFDA technicians Evan Charles, Alexander Peterson, and Henry Uisok. The authors would also like to acknowledge Larry DuBois and Shane Eaton for compiling ASL data. Furthermore, the authors would like to thank the reviewers for their constructive comments.

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## **TABLES AND FIGURES**

Table 1.–Daily and cumulative catch and catch per unit effort (CPUE) of fall chum salmon in the Lower Yukon drift gillnet test fishery, 2014.

Date	Big Eddy				Middle Mouth				Combined			
	Daily catch	Daily CPUE	Cumulative		Daily catch	Daily CPUE	Cumulative		Daily catch	Daily CPUE	Cumulative	
			Proportion	CPUE			Proportion	CPUE			Proportion	CPUE
16 Jul	120	173.4	0.04	173.4	33	50.7	0.09	50.7	153	112.1	0.05	112.1
17 Jul <sup>a</sup>	41	151.8	0.07	325.3 <sup>a</sup>	22	67.2	0.21	117.9	63	109.5	0.09	221.6
18 Jul	30	44.0	0.08	369.2	7	10.8	0.23	128.7	37	27.4	0.10	249.0
19 Jul <sup>b</sup>	–	–	0.08	369.2 <sup>b</sup>	5	15.1	0.26	143.8	5	7.6	0.10	256.5
20 Jul	89	130.1	0.11	499.3	10	15.2	0.28	159.0	99	72.6	0.13	329.1
21 Jul	56	80.6	0.13	579.9	12	17.6	0.31	176.6	68	49.1	0.15	378.2
22 Jul	110	156.8	0.17	736.7	15	22.2	0.35	198.8	125	89.5	0.19	467.7
23 Jul	38	48.2	0.18	784.9	5	7.9	0.37	206.6	43	28.0	0.20	495.8
24 Jul	17	25.1	0.19	810.0 <sup>c</sup>	5	10.3	0.39	216.9	22	17.7	0.21	513.4
25 Jul <sup>a</sup>	6	17.6	0.19	827.6 <sup>a</sup>	7	20.7	0.42	237.6	13	19.1	0.22	532.6
26 Jul	4	6.2	0.19	833.8	18	26.1	0.47	263.6	22	16.1	0.22	548.7
27 Jul	0	0.0	0.19	833.8	4	6.2	0.48	269.8	4	3.1	0.22	551.8
28 Jul <sup>a</sup>	6	18.0	0.20	851.8 <sup>a</sup>	0	0.0	0.48	269.8	6	9.0	0.23	560.8
29 Jul	23	34.8	0.20	886.6	1	1.5	0.48	271.3	24	18.2	0.24	578.9
30 Jul	3	4.6	0.20	891.2	1	1.7	0.49	273.0	4	3.2	0.24	582.1
31 Jul	0	0.0	0.20	891.2 <sup>d,e</sup>	0	0.0	0.49	273.0	0	0.0	0.24	582.1
1 Aug	127	332.8	0.28	1,224.0	9	15.5	0.51	288.5	136	174.2	0.31	756.3
2 Aug	66	187.7	0.32	1,411.7	10	15.9	0.54	304.5	76	101.8	0.35	858.1
3 Aug	11	17.1	0.33	1,428.8	1	1.6	0.54	306.1	12	9.4	0.35	867.5
4 Aug	2	3.0	0.33	1,431.8	0	0.0	0.54	306.1	2	1.5	0.35	868.9
5 Aug	5	7.6	0.33	1,439.4	1	1.3	0.55	307.4	6	4.5	0.36	873.4
6 Aug	4	6.2	0.33	1,445.6	1	1.5	0.55	308.9	5	3.8	0.36	877.2
7 Aug	0	0.0	0.33	1,445.6	1	1.4	0.55	310.3	1	0.7	0.36	877.9
8 Aug	1	1.5	0.33	1,447.0	1	1.5	0.55	311.7	2	1.5	0.36	879.4
9 Aug	0	0.0	0.33	1,447.0	0	0.0	0.55	311.7	0	0.0	0.36	879.4
10 Aug	1	1.5	0.33	1,448.6	2	2.9	0.56	314.6	3	2.2	0.36	881.6
11 Aug	0	0.0	0.33	1,448.6	0	0.0	0.56	314.6	0	0.0	0.36	881.6
12 Aug	1	1.5	0.33	1,450.1	0	0.0	0.56	314.6	1	0.8	0.36	882.3
13 Aug	240	955.8	0.55	2,405.8	8	10.9	0.58	325.5	248	483.3	0.56	1,365.7
14 Aug	14	22.0	0.56	2,427.8	4	5.7	0.59	331.2	18	13.9	0.56	1,379.5

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Table 1.–Page 2 of 2.

Date	Big Eddy				Middle Mouth				Combined			
	Daily catch	Daily CPUE	Cumulative		Daily catch	Daily CPUE	Cumulative		Daily catch	Daily CPUE	Cumulative	
			Proportion	CPUE			Proportion	CPUE			Proportion	CPUE
15 Aug <sup>a</sup>	1	3.2	0.56	2,431.0 <sup>a</sup>	0	0.0	0.59	331.2	1	1.6	0.56	1,381.1
16 Aug	46	96.4	0.58	2,527.4	0	0.0	0.59	331.2	46	48.2	0.58	1,429.3
17 Aug	23	35.4	0.59	2,562.8	0	0.0	0.59	331.2	23	17.7	0.59	1,447.0
18 Aug	226	1,108.4	0.84	3,671.2	57	87.1	0.74	418.3	283	597.7	0.83	2,044.7
19 Aug <sup>a</sup>	34	141.8	0.88	3,813.0 <sup>a</sup>	25	86.9	0.90	505.2	59	114.4	0.88	2,159.1
20 Aug	12	17.8	0.88	3,830.8	8	10.9	0.92	516.1	20	14.4	0.88	2,173.5
21 Aug	2	2.9	0.88	3,833.7	0	0.0	0.92	516.1	2	1.4	0.89	2,174.9
22 Aug	5	7.2	0.88	3,840.9	1	1.6	0.92	517.7	6	4.4	0.89	2,179.3
23 Aug	9	13.1	0.89	3,853.9	1	1.5	0.92	519.3	10	7.3	0.89	2,186.6
24 Aug	4	5.8	0.89	3,859.7	1	1.4	0.93	520.6	5	3.6	0.89	2,190.2
25 Aug <sup>a</sup>	66	238.3	0.94	4,098.0 <sup>a</sup>	8	22.9	0.97	543.5	74	130.6	0.94	2,320.8
26 Aug <sup>a</sup>	53	177.4	0.98	4,275.4 <sup>a</sup>	0	0.0	0.97	543.5	53	88.7	0.98	2,409.5
27 Aug	52	71.5	1.00	4,346.9	7	10.0	0.98	553.5	59	40.8	1.00	2,450.2
28 Aug <sup>a</sup>	1	3.0	1.00	4,349.9 <sup>d,e</sup>	–	8.9	1.00	562.3 <sup>d,e</sup>	1	5.9	1.00	2,456.1
<b>Total</b>	<b>1,549</b>			<b>4,349.9</b>	<b>291</b>			<b>562.3</b>	<b>1,840</b>			<b>2,456.1</b>

Note: The box within the column indicates the first to the third quartile of the cumulative CPUE. The average date of the cumulative CPUE is indicated in the bold box. In 2014, ADF&G ceased operation of LYTF on 28 August. Kwik'pak Fisheries and Yukon Delta Fisheries Development Association personnel assumed LYTF operations through 20 September. Big Eddy and Middle Mouth sites combined both daily and cumulative CPUE are divided in half to scale down the comparisons.

- <sup>a</sup> One or more drifts cancelled due to commercial period.
- <sup>b</sup> One or more drifts cancelled due to hazardous weather.
- <sup>c</sup> One or more drifts cancelled due to mechanical problems.
- <sup>d</sup> Data interpolated.
- <sup>e</sup> Drifts cancelled.

Table 2.–Age, sex, and length of fall chum salmon sampled in the Lower Yukon drift gillnet test fishery, 2014.

Station	Sample size	Sex	Brood year and age class										
			2011		2010		2009		2008		Total		
			Age-0.2		Age-0.3		Age-0.4		Age-0.5				
		No.	%	No.	%	No.	%	No.	%	No.	%		
Big Eddy	685		No.	%	No.	%	No.	%	No.	%	No.	%	
		Females	11	1.6	216	31.5	165	24.1	4	0.6	396	57.8	
		Males	6	0.9	176	25.7	105	15.3	2	0.3	289	42.2	
		Subtotal	17	2.5	392	57.2	270	39.4	6	0.9	685	100.0	
		Mean length (mm)	Females	557		578		600		582		587	
		SE		5		1		2		18		1	
		Mean length (mm)	Males	563		587		619		643		598	
		SE		8		2		3		8		2	
Middle Mouth	243		No.	%	No.	%	No.	%	No.	%	No.	%	
		Females	2	0.8	48	19.8	85	35.0	5	2.1	140	57.6	
		Males	1	0.4	33	13.6	68	28.0	1	0.4	103	42.4	
		Total	3	1.2	81	33.3	153	63.0	6	2.5	243	100.0	
		Mean length (mm)	Females	555		578		596		602		590	
		SE		27		3		3		11		2	
		Mean length (mm)	Males	588		585		607		636		600	
		SE		–		6		4		–		3	
Season total	928		No.	%	No.	%	No.	%	No.	%	No.	%	
		Females	13	1.4	264	28.4	250	26.9	9	1.0	536	57.8	
		Males	7	0.8	209	22.5	173	18.6	3	0.3	392	42.2	
		Total	20	2.2	473	51.0	423	45.6	12	1.3	928	100.0	
		Mean length (mm)	Females	556		578		599		593		587	
		SE		5		1		2		10		1	
		Mean length (mm)	Males	567		587		614		641		599	
		SE		8		2		2		5		2	

Note: En dash indicates data was unattainable.

Table 3.–Daily and cumulative catch and catch per unit effort (CPUE) of coho salmon in the Lower Yukon drift gillnet test fishery, 2014.

Date	Big Eddy				Middle Mouth				Combined			
	Daily catch	Daily CPUE	Cumulative		Daily catch	Daily CPUE	Cumulative		Daily catch	Daily CPUE	Cumulative	
			Proportion	CPUE			Proportion	CPUE			Proportion	CPUE
16 Jul	0	0.0	0.00	0.0	0	0.0	0.00	0.0	0	0.0	0.00	0.0
17 Jul	<sup>a</sup> 0	0.0	0.00	0.0 <sup>a</sup>	0	0.0	0.00	0.0	0	0.0	0.00	0.0
18 Jul	0	0.0	0.00	0.0	0	0.0	0.00	0.0	0	0.0	0.00	0.0
19 Jul	<sup>b</sup> –	–	0.00	0.0 <sup>b</sup>	0	0.0	0.00	0.0	0	0.0	0.00	0.0
20 Jul	0	0.0	0.00	0.0	0	0.0	0.00	0.0	0	0.0	0.00	0.0
21 Jul	1	1.5	0.00	1.5	0	0.0	0.00	0.0	1	0.7	0.00	0.7
22 Jul	0	0.0	0.00	1.5	0	0.0	0.00	0.0	0	0.0	0.00	0.7
23 Jul	0	0.0	0.00	1.5	0	0.0	0.00	0.0	0	0.0	0.00	0.7
24 Jul	1	1.5	0.00	3.0 <sup>c</sup>	1	2.1	0.02	2.1	2	1.8	0.00	2.5
25 Jul	<sup>a</sup> 1	2.9	0.01	5.9 <sup>a</sup>	1	3.1	0.05	5.1	2	3.0	0.01	5.5
26 Jul	0	0.0	0.01	5.9	0	0.0	0.05	5.1	0	0.0	0.01	5.5
27 Jul	1	2.9	0.01	8.8	1	1.5	0.07	6.7	2	2.2	0.01	7.7
28 Jul	<sup>a</sup> 1	3.0	0.01	11.8 <sup>a</sup>	0	0.0	0.07	6.7	1	1.5	0.01	9.2
29 Jul	5	7.5	0.02	19.3	1	1.5	0.08	8.2	6	4.5	0.02	13.7
30 Jul	0	0.0	0.02	19.3	0	0.0	0.08	8.2	0	0.0	0.02	13.7
31 Jul	0	0.0	0.02	19.3 <sup>d,e</sup>	0	0.0	0.08	8.2	0	0.0	0.02	13.7
1 Aug	10	23.0	0.04	42.3	0	0.0	0.08	8.2	10	11.5	0.04	25.2
2 Aug	7	19.1	0.05	61.4	5	8.0	0.16	16.2	12	13.6	0.06	38.8
3 Aug	2	3.2	0.05	64.6	0	0.0	0.16	16.2	2	1.6	0.06	40.4
4 Aug	9	13.4	0.07	77.9	0	0.0	0.16	16.2	9	6.7	0.07	47.1
5 Aug	8	12.0	0.08	89.9	0	0.0	0.16	16.2	8	6.0	0.08	53.1
6 Aug	2	3.1	0.08	93.0	0	0.0	0.16	16.2	2	1.5	0.09	54.6
7 Aug	1	1.6	0.08	94.6	0	0.0	0.16	16.2	1	0.8	0.09	55.4
8 Aug	6	8.8	0.09	103.4	0	0.0	0.16	16.2	6	4.4	0.09	59.8
9 Aug	0	0.0	0.09	103.4	0	0.0	0.16	16.2	0	0.0	0.09	59.8
10 Aug	0	0.0	0.09	103.4	0	0.0	0.16	16.2	0	0.0	0.09	59.8
11 Aug	0	0.0	0.09	103.4	0	0.0	0.16	16.2	0	0.0	0.09	59.8
12 Aug	3	4.4	0.09	107.8	1	1.5	0.18	17.7	4	3.0	0.10	62.8
13 Aug	35	124.3	0.20	232.2	5	7.1	0.25	24.7	40	65.7	0.20	128.5
14 Aug	21	32.8	0.23	265.0	1	2.0	0.27	26.3	22	17.2	0.23	145.6

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Table 3.–Page 2 of 2.

Date	Big Eddy				Middle Mouth				Combined			
	Daily catch	Daily CPUE	Cumulative		Daily catch	Daily CPUE	Cumulative		Daily catch	Daily CPUE	Cumulative	
			Proportion	CPUE			Proportion	CPUE			Proportion	CPUE
15 Aug <sup>a</sup>	1	3.2	0.23	268.2 <sup>a</sup>	0	0.0	0.27	26.3	1	1.6	0.23	147.2
16 Aug	41	82.7	0.30	350.9	0	0.0	0.27	26.3	41	41.4	0.30	188.6
17 Aug	46	68.2	0.36	419.1	0	0.0	0.27	26.3	46	34.1	0.35	222.7
18 Aug	55	254.6	0.57	673.7	13	19.6	0.47	45.9	68	137.1	0.56	359.8
19 Aug <sup>a</sup>	47	226.4	0.77	900.1 <sup>a</sup>	11	37.5	0.85	83.4	58	131.9	0.77	491.7
20 Aug	22	32.2	0.79	932.3	3	4.2	0.89	87.6	25	18.2	0.80	509.9
21 Aug	10	14.5	0.80	946.8	0	0.0	0.89	87.6	10	7.3	0.81	517.2
22 Aug	6	8.6	0.81	955.4	0	0.0	0.89	87.6	6	4.3	0.82	521.5
23 Aug	29	43.4	0.85	998.9	0	0.0	0.89	87.6	29	21.7	0.85	543.2
24 Aug	27	42.0	0.88	1,040.9	1	1.4	0.90	88.9	28	21.7	0.89	564.9
25 Aug <sup>a</sup>	19	71.3	0.95	1,112.1 <sup>a</sup>	0	0.0	0.90	88.9	19	35.6	0.94	600.5
26 Aug <sup>a</sup>	9	28.7	0.97	1,140.8 <sup>a</sup>	0	0.0	0.90	88.9	9	14.4	0.96	614.9
27 Aug	22	30.4	1.00	1,171.2	4	5.9	0.96	94.8	26	18.1	0.99	633.0
28 Aug <sup>a</sup>	2	5.2	1.00	1,176.5 <sup>d,e</sup>	–	3.7	1.00	98.5 <sup>d</sup>	2	4.5	1.00	637.5
Total	450			1,176.5	48			98.5	498			637.5

Note: The box within the column indicates the first to the third quartile of the cumulative CPUE. The median date of the cumulative CPUE is indicated in the bold box. In 2014 ADF&G ceased operation of LYTF on 28 August. Kwik'pak Fisheries and Yukon Delta Fisheries Development Association personnel assumed LYTF operations through 20 September. Big Eddy and Middle Mouth sites combined both daily and cumulative CPUE are divided in half to scale down the comparisons.

- <sup>a</sup> One or more drifts cancelled due to commercial period.
- <sup>b</sup> One or more drifts cancelled due to hazardous weather.
- <sup>c</sup> One or more drifts cancelled due to mechanical problems.
- <sup>d</sup> Data interpolated.
- <sup>e</sup> Drifts cancelled.

Table 4.–Age, sex, and length of coho salmon sampled in the Lower Yukon drift gillnet test fishery, 2014.

Station	Sample size	Sex	Brood year and age class								
			2011		2010		2009		Total		
			Age-1.1		Age-2.1		Age-3.1				
			No.	%	No.	%	No.	%	No.	%	
Big Eddy	289		No.	%	No.	%	No.	%	No.	%	
		Females	5	1.7	123	42.6	8	2.8	136	47.1	
		Males	15	5.2	126	43.6	12	4.2	153	52.9	
		Subtotal	20	6.9	249	86.2	20	6.9	289	100.0	
		Mean length (mm)	Females	567		561		572		562	
		SE		14		2		8		2	
		Mean length (mm)	Males	545		554		551		553	
SE		7		3		8		2			
Middle Mouth	37		No.	%	No.	%	No.	%	No.	%	
		Females	4	10.8	15	40.5	3	8.1	22	59.5	
		Males	3	8.1	12	32.4	0	0.0	15	40.5	
		Subtotal	7	18.9	27	73.0	3	8.1	37	100.0	
		Mean length (mm)	Females	542		564		545		558	
		SE		7		4		15		4	
		Mean length (mm)	Males	538		554		–		551	
SE		16		6		–		6			
Season total	326		No.	%	No.	%	No.	%	No.	%	
		Females	9	2.8	138	42.3	11	3.4	158	48.5	
		Males	18	5.5	138	42.3	12	3.7	168	51.5	
		Total	27	8.3	276	84.7	23	7.1	326	100.0	
		Mean length (mm)	Females	556		561		565		561	
		SE		9		2		8		2	
		Mean length (mm)	Males	543		554		551		553	
SE		6		3		8		2			

Note: En dash indicates data was unattainable.

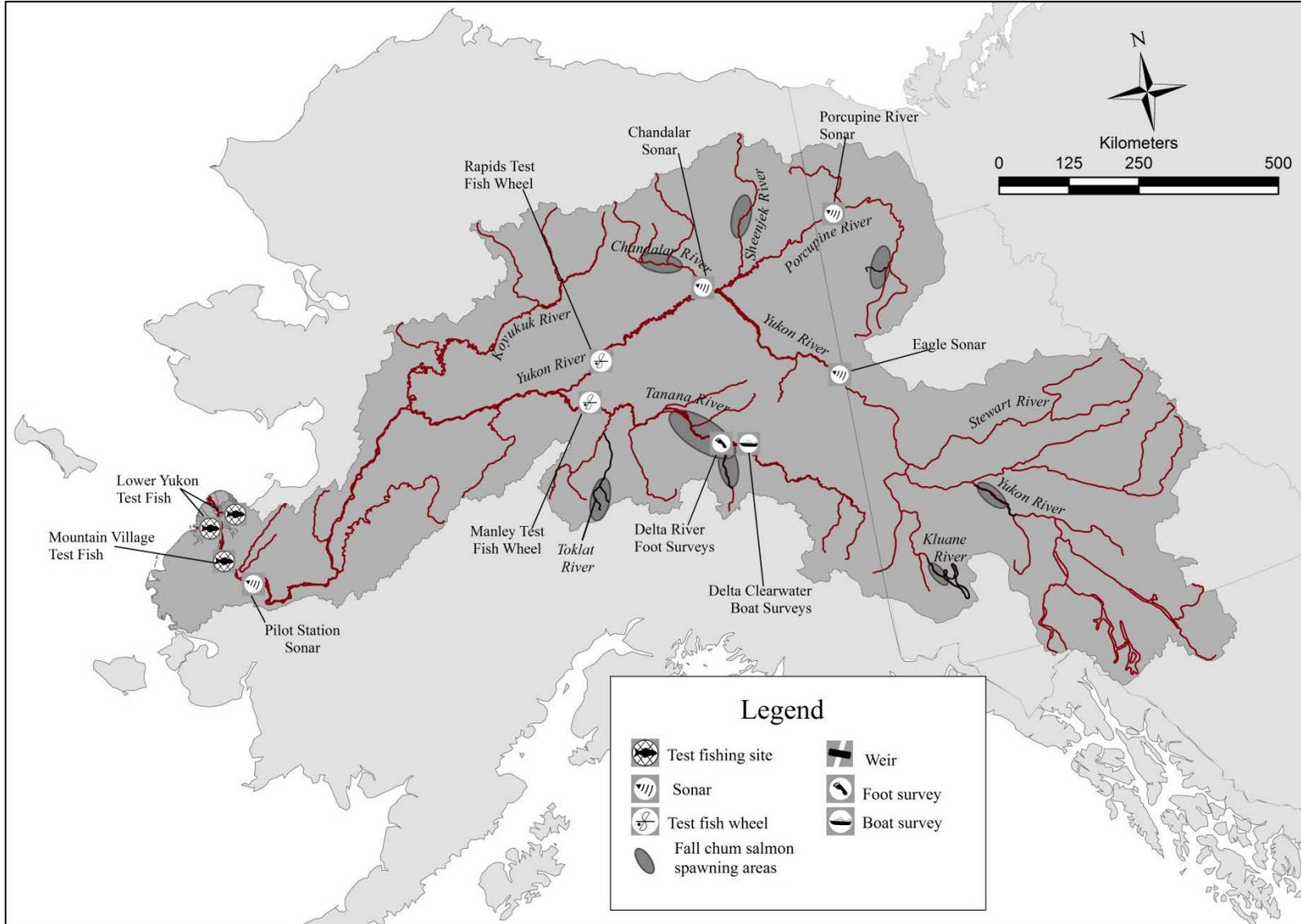


Figure 1.—Select project site locations for fall season salmon assessment in the Yukon River drainage, 2014.

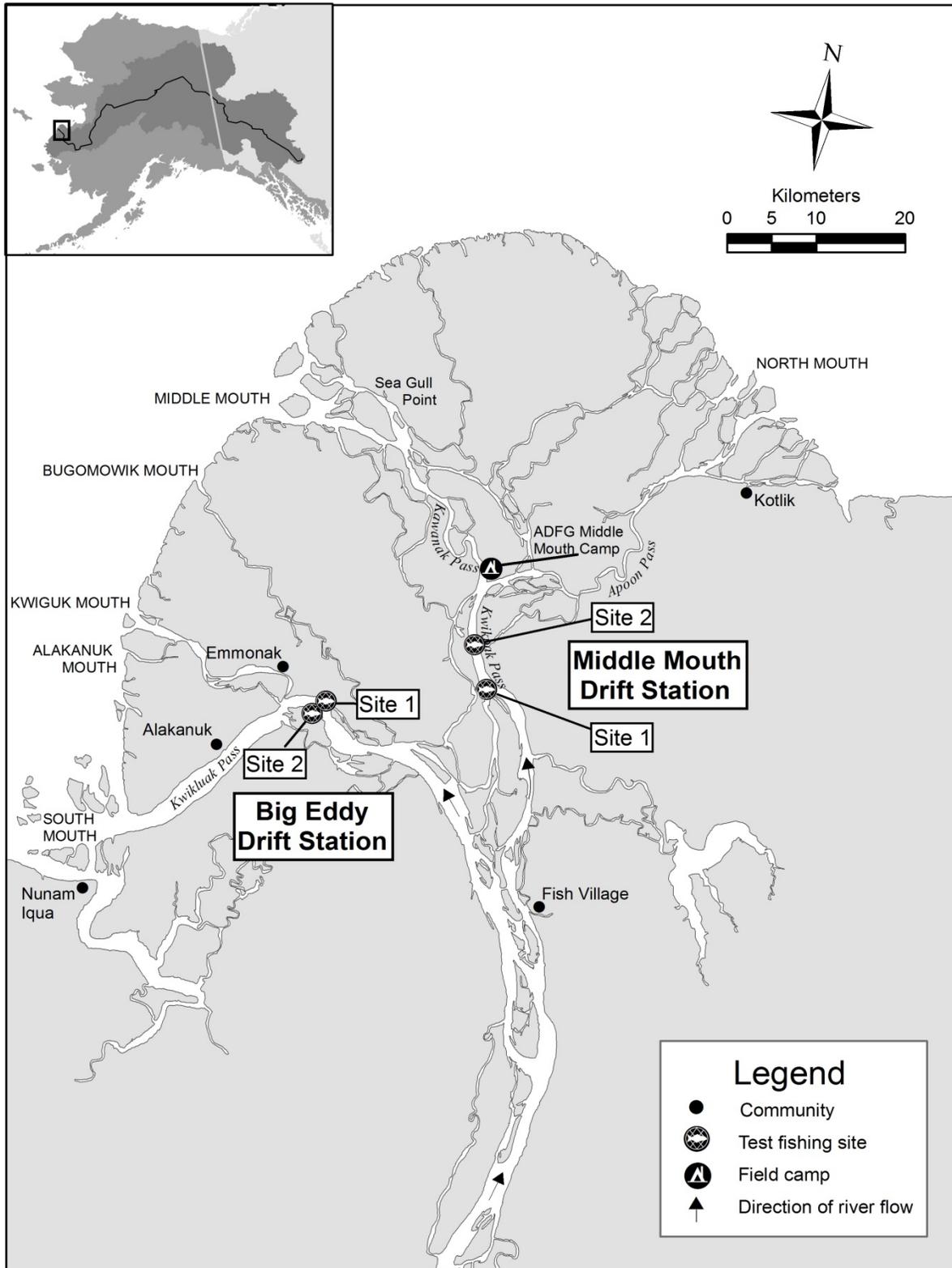


Figure 2.—Drift sites for the fall season cooperative Lower Yukon drift gillnet test fishery, Yukon River, 2014.

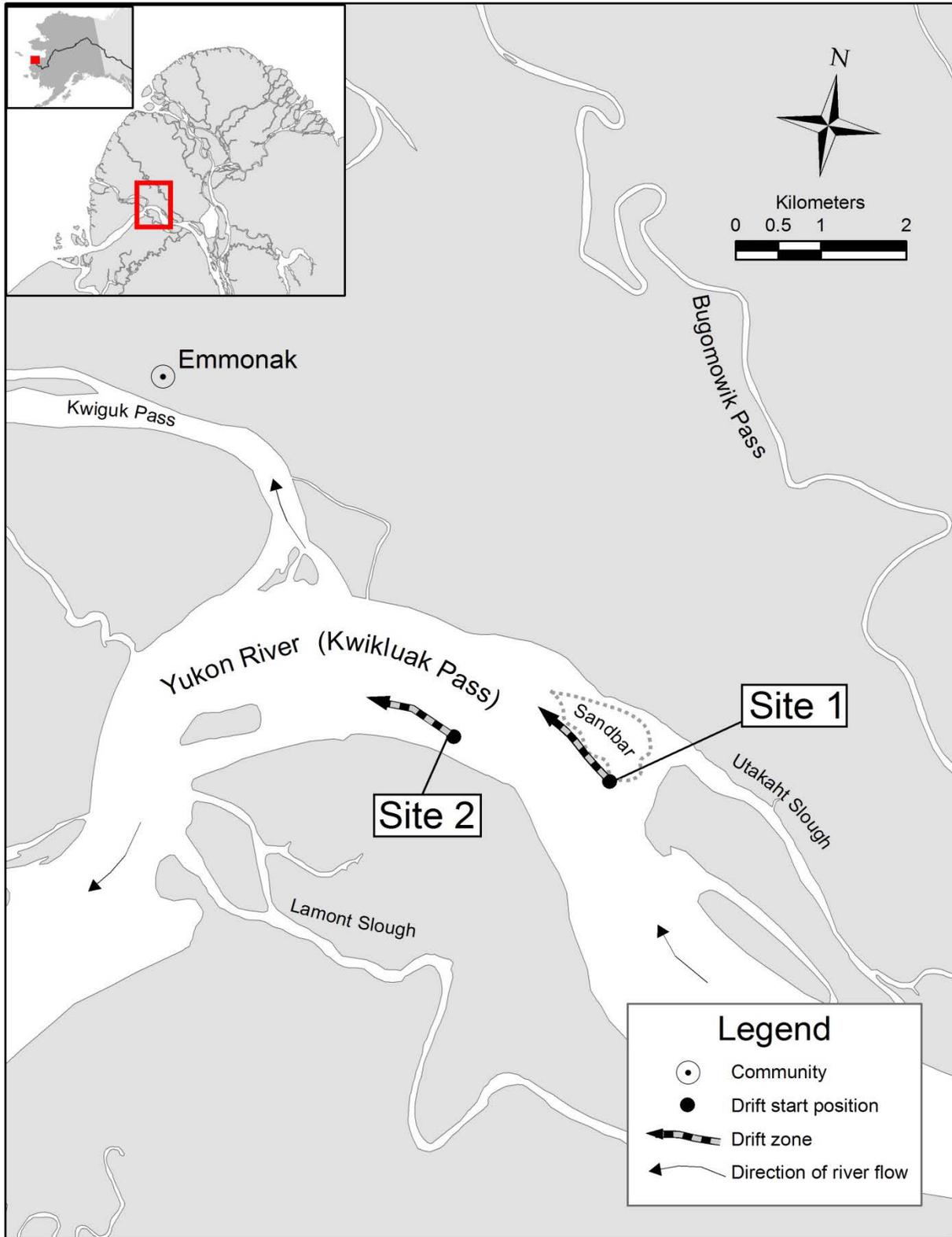


Figure 3.—Big Eddy Station test drift gillnet sites in the lower Yukon River, 2014.

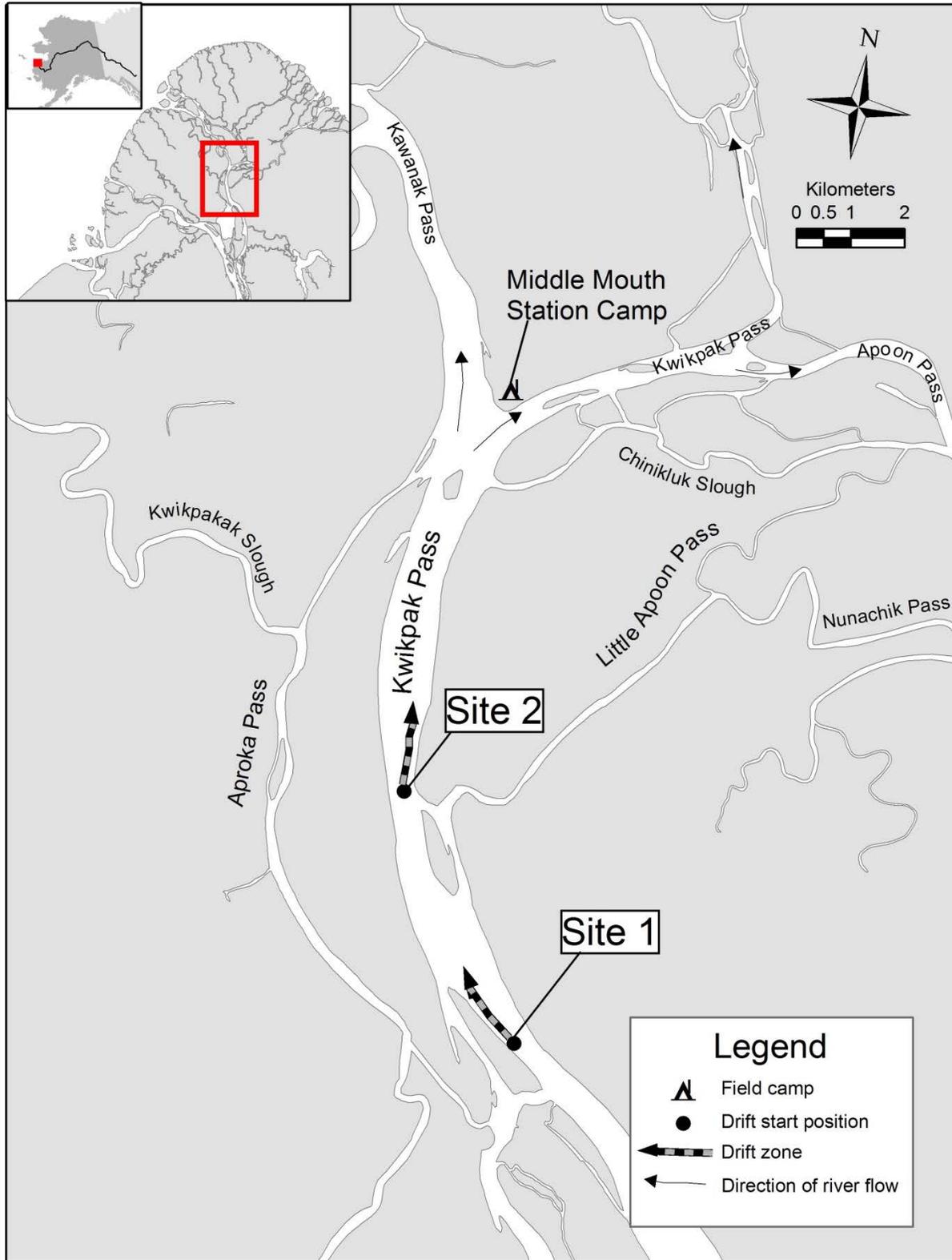


Figure 4.—Middle Mouth Station test drift gillnet sites in the lower Yukon River, 2014.

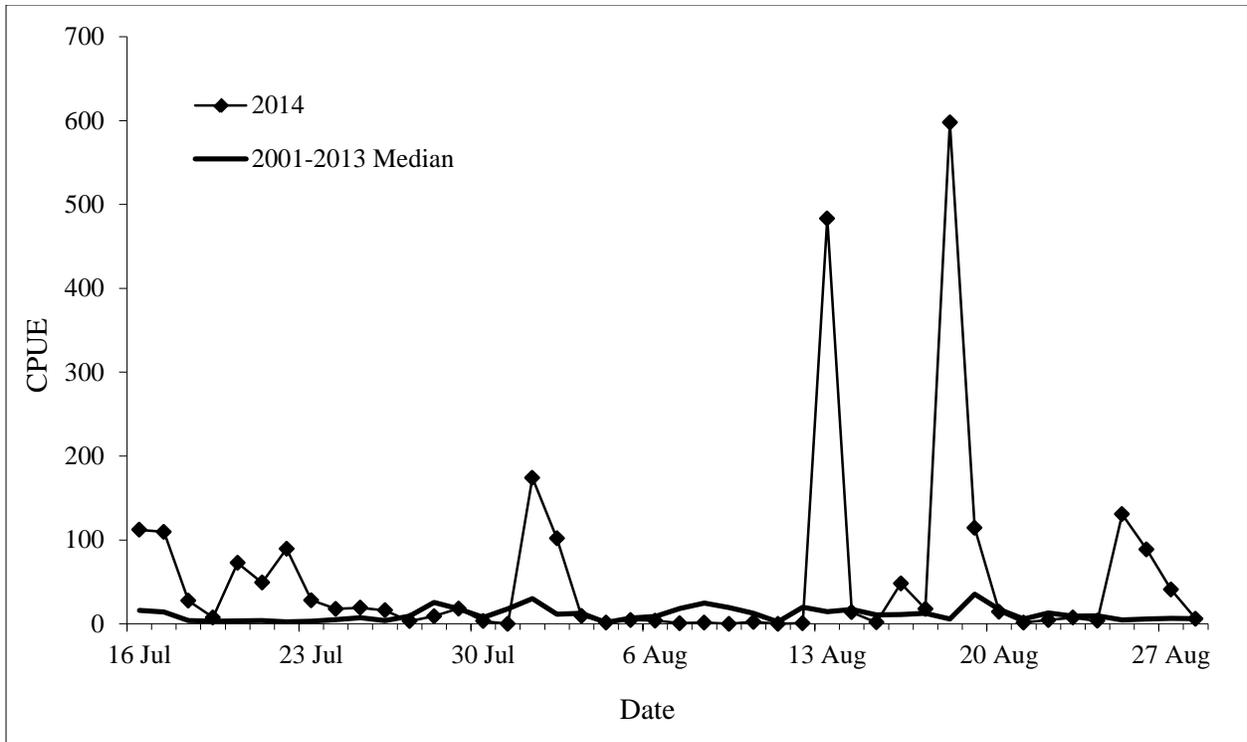


Figure 5.—Daily catch per unit effort (CPUE) for fall chum salmon in the fall season Lower Yukon drift gillnet test fishery, Yukon River, 2014, compared to the 2001 through 2013 median.

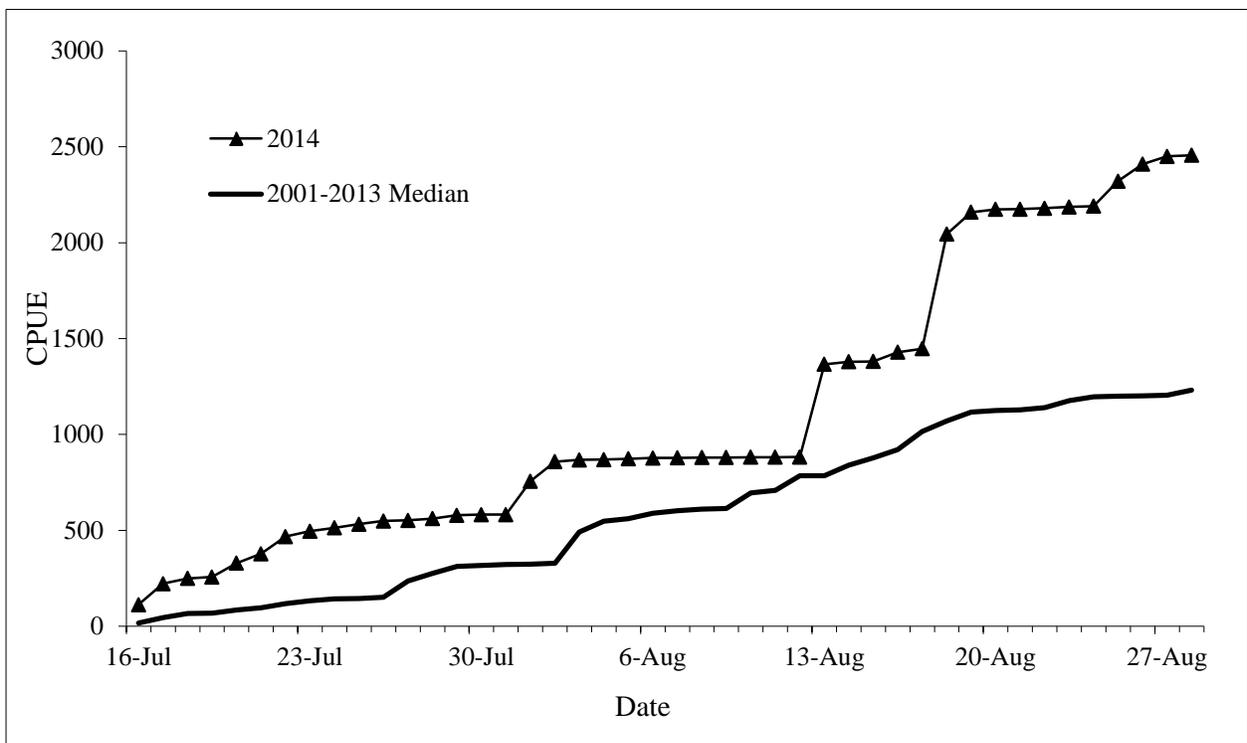


Figure 6.—Cumulative catch per unit effort (CPUE) for fall chum salmon in the fall season Lower Yukon drift gillnet test fishery, Yukon River, 2014, compared to the 2001 through 2013 median.

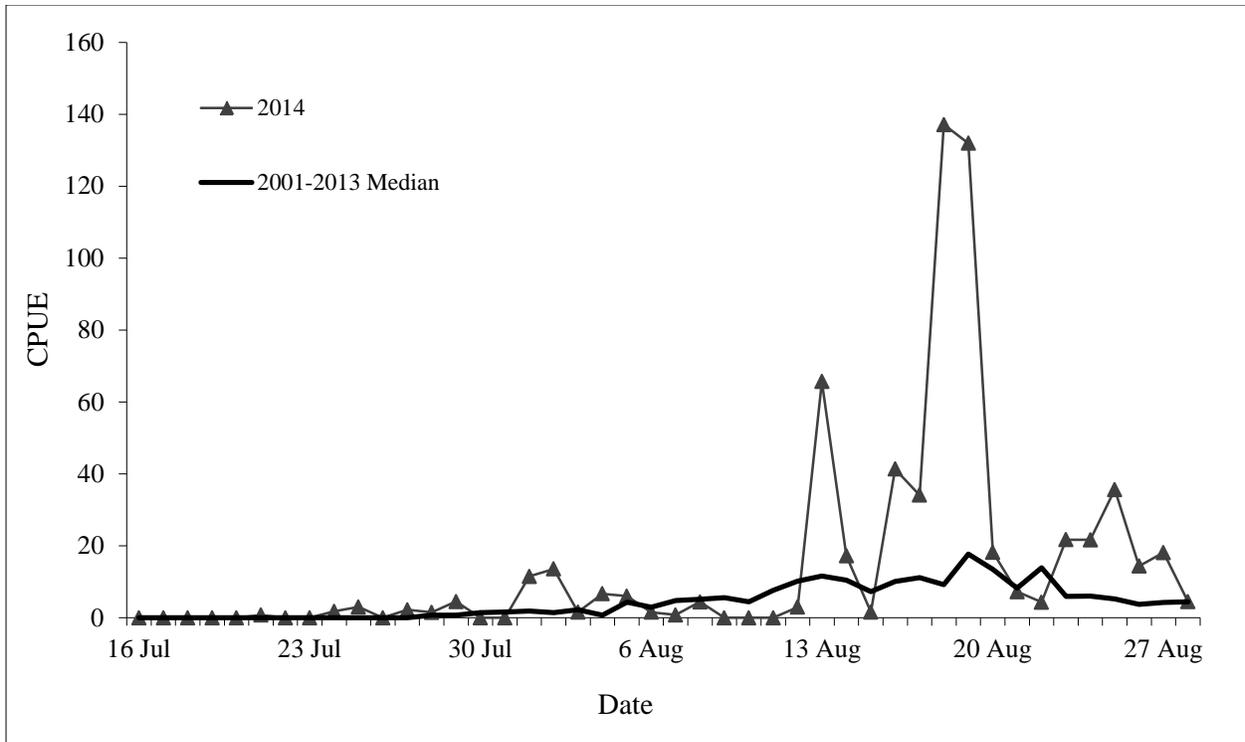


Figure 7.—Daily catch per unit effort (CPUE) for coho salmon in the fall season Lower Yukon drift gillnet test fishery, Yukon River, 2014, compared to the 2001 through 2013 median.

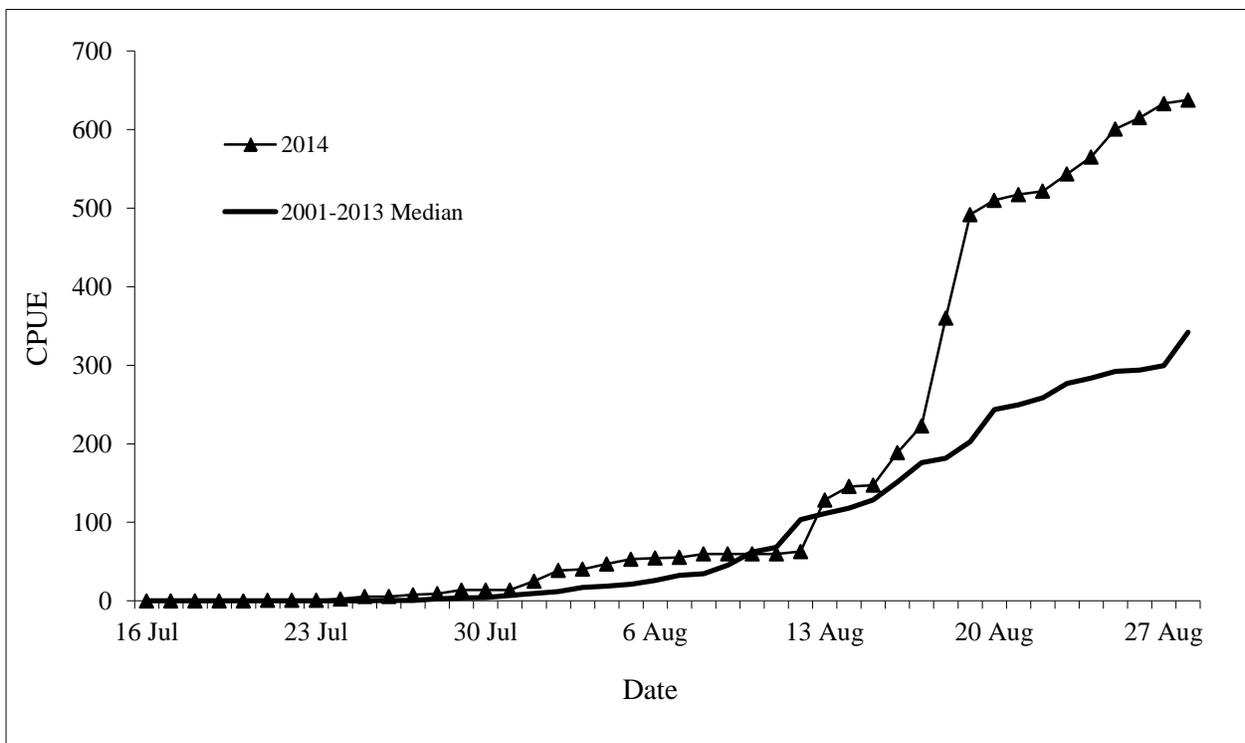


Figure 8.—Cumulative catch per unit effort (CPUE) for coho salmon in the fall season Lower Yukon drift gillnet test fishery, Yukon River, 2014, compared to the 2001 through 2013 median.



## **APPENDIX A: DRIFT EXTENSION CPUE**

Appendix A1.—Extension of fall chum salmon catch and catch per unit effort (CPUE) information, Lower Yukon drift gillnet test fishery, Yukon River, 2014.

Date	Big Eddy				Middle Mouth				Combined			
	Daily catch	Daily CPUE	Proportion	Cum. CPUE	Daily catch	Daily CPUE	Proportion	Cum. CPUE	Daily catch	Daily CPUE	Proportion	Cum. CPUE
29 Aug	6	9.2	0.98	4,359.2	5	7.7	0.94	570.0	11	8.5	0.97	2,464.6
30 Aug	5	7.6	0.98	4,366.8	7	10.8	0.96	580.8	12	9.2	0.98	2,473.8
31 Aug	6	9.2	0.98	4,375.9	1	1.5	0.96	582.3	7	5.3	0.98	2,479.1
1 Sep <sup>a,b</sup>	—	10.7	0.99	4,386.6 <sup>a,b</sup>	—	4.6	0.97	587.0 <sup>c</sup>	—	7.7	0.98	2,486.8
2 Sep	8	12.3	0.99	4,398.9	5	7.7	0.98	594.6	13	10.0	0.99	2,496.8
3 Sep <sup>a</sup>	—	6.9	0.99	4,405.9 <sup>a</sup>	—	3.8	0.99	598.5 <sup>c</sup>	—	5.4	0.99	2,502.2
4 Sep	1	1.5	0.99	4,407.4	0	-	0.99	598.5	1	0.8	0.99	2,503.0
5 Sep <sup>a</sup>	2	6.2	0.99	4,413.6 <sup>a</sup>	0	-	0.99	598.5	2	3.1	0.99	2,506.0
6 Sep	13	20.0	1.00	4,433.6	1	1.5	0.99	600.0	14	10.8	1.00	2,516.8
7 Sep	0	-	1.00	4,433.6	0	-	0.99	600.0	0	-	1.00	2,516.8
8 Sep	0	-	1.00	4,433.6	0	-	0.99	600.0	0	-	1.00	2,516.8
9 Sep	1	1.5	1.00	4,435.1	0	-	0.99	600.0	1	0.8	1.00	2,517.6
10 Sep	0	-	1.00	4,435.1	0	-	0.99	600.0	0	-	1.00	2,517.6
11 Sep <sup>b</sup>	1	3.1	1.00	4,438.2 <sup>b</sup>	0	-	0.99	600.0	1	1.5	1.00	2,519.1
12 Sep <sup>b</sup>	0	-	1.00	4,438.2 <sup>b</sup>	0	-	0.99	600.0	0	-	1.00	2,519.1
13 Sep	2	3.1	1.00	4,441.3	0	-	0.99	600.0	2	1.5	1.00	2,520.6
14 Sep	2	3.1	1.00	4,444.3	2	3.1	0.99	603.1	4	3.1	1.00	2,523.7
15 Sep	1	1.5	1.00	4,445.9	1	1.5	1.00	604.6	2	1.5	1.00	2,525.3
16 Sep	0	-	1.00	4,445.9	1	1.5	1.00	606.2	1	0.8	1.00	2,526.0
17 Sep	0	-	1.00	4,445.9	0	-	1.00	606.2	0	-	1.00	2,526.0
18 Sep <sup>b</sup>	2	6.2	1.00	4,452.0 <sup>b</sup>	0	-	1.00	606.2	2	3.1	1.00	2,529.1
19 Sep <sup>b</sup>	0	-	1.00	4,452.0 <sup>b</sup>	0	-	1.00	606.2	0	-	1.00	2,529.1
20 Sep	0	-	1.00	4,452.0	0	-	1.00	606.2	0	-	1.00	2,529.1
Total	50	102.1		4,452.0	23	43.8		606.2	73	73.0		2,529.1

Note: In 2014, ADF&G ceased operation of project on 28 August. Kwik'pak Fisheries and YDFDA personnel assumed LYTF operations through 20 September. Proportion and cumulative CPUE columns are continuous from project start date, 16 July 2014. Big Eddy and Middle Mouth sites combined both daily and cumulative CPUE are divided in 2 to scale down the comparisons.

<sup>a</sup> One or more drifts cancelled due to commercial period.

<sup>b</sup> One or more drifts cancelled due to hazardous weather.

<sup>c</sup> Data is interpolated.

<sup>d</sup> Drifts were cancelled.

Appendix A2.—Extension of coho salmon catch and catch per unit effort (CPUE) data for coho salmon in the Lower Yukon drift gillnet test fishery, Yukon River, 2014.

Date	Big Eddy				Middle Mouth				Combined			
	Daily catch	Daily CPUE	Proportion	Cum. CPUE	Daily catch	Daily CPUE	Proportion	Cum. CPUE	Daily catch	Daily CPUE	Proportion	Cum. CPUE
29 Aug	9	13.8	0.93	1,190.3	1	1.5	0.35	100.0	10	7.7	0.83	645.2
30 Aug	3	4.6	0.94	1,194.9	17	26.2	0.44	126.2	20	15.4	0.85	660.5
31 Aug	7	10.7	0.94	1,205.5	11	16.9	0.50	143.1	18	13.8	0.86	674.3
1 Sep <sup>a,b</sup>	—	11.5	0.95	1,217.0 <sup>a,b</sup>	—	30.8	0.61	173.9 <sup>c</sup>	—	20.7	0.89	695.0
2 Sep	8	12.3	0.96	1,229.3	29	44.6	0.77	218.5	37	28.5	0.93	723.9
3 Sep <sup>a</sup>	—	6.9	0.97	1,236.2 <sup>a</sup>	—	23.9	0.85	242.4 <sup>c</sup>	—	14.9	0.94	739.3
4 Sep	1	1.5	0.97	1,237.8	2	3.1	0.86	245.5	3	2.3	0.95	741.6
5 Sep <sup>a</sup>	3	9.2	0.98	1,247.0 <sup>a</sup>	2	6.2	0.88	251.6	5	7.7	0.96	749.3
6 Sep	9	13.8	0.99	1,260.9	8	12.3	0.92	264.0	17	13.1	0.97	762.4
7 Sep	4	6.2	0.99	1,267.0	7	10.8	0.96	274.7	11	8.5	0.99	770.9
8 Sep	3	4.6	1.00	1,271.6	1	1.5	0.97	276.3	4	3.1	0.99	773.9
9 Sep	0	0.0	1.00	1,271.6	0	0.0	0.97	276.3	0	0.0	0.99	773.9
10 Sep	0	0.0	1.00	1,271.6	2	3.0	0.98	279.3	2	1.5	0.99	775.5
11 Sep <sup>b</sup>	0	0.0	1.00	1,271.6 <sup>b</sup>	0	0.0	0.98	279.3	0	0.0	0.99	775.5
12 Sep <sup>b</sup>	1	3.1	1.00	1,274.7 <sup>b</sup>	0	0.0	0.98	279.3	1	1.5	0.99	777.0
13 Sep	1	1.5	1.00	1,276.2	0	0.0	0.98	279.3	1	0.8	0.99	777.8
14 Sep	0	0.0	1.00	1,276.2	3	4.6	0.99	283.9	3	2.3	1.00	780.1
15 Sep	0	0.0	1.00	1,276.2	1	1.5	1.00	285.5	1	0.8	1.00	780.8
16 Sep	1	1.5	1.00	1,277.8	0	0.0	1.00	285.5	1	0.8	1.00	781.6
17 Sep	0	0.0	1.00	1,277.8	0	0.0	1.00	285.5	0	0.0	1.00	781.6
18 Sep <sup>b</sup>	0	0.0	1.00	1,277.8 <sup>b</sup>	0	0.0	1.00	285.5	0	0.0	1.00	781.6
19 Sep <sup>b</sup>	0	0.0	1.00	1,277.8 <sup>b</sup>	0	0.0	1.00	285.5	0	0.0	1.00	781.6
20 Sep	0	0.0	1.00	1,277.8	1	1.5	1.00	287.0	1	0.8	1.00	782.4
Total	50	101.3		1,277.8	85	188.5		287.0	135	144.0		782.4

Note: In 2014, ADF&G ceased operation of project on 28 August. Kwik'pak Fisheries and YDFDA personnel assumed LYTF operations through 20 September. Proportion and cumulative CPUE columns are continuous from project start date, 16 July 2014. Big Eddy and Middle Mouth sites combined both daily and cumulative CPUE are divided in 2 to scale down the comparisons.

<sup>a</sup> One or more drifts cancelled due to commercial period.

<sup>b</sup> One or more drifts cancelled due to hazardous weather.

<sup>c</sup> Data is interpolated.

<sup>d</sup> Drifts were cancelled.



## **APPENDIX B: CLIMATE AND STREAM OBSERVATIONS**

Appendix B1.–Fall season climatological and stream observations, Big Eddy Station, Yukon River, 2014.

Date	Cloud cover (code) <sup>a</sup>		Precipitation (code) <sup>b</sup>		Wind Direction & velocity (mph)				Temperature (°C)			
					Air		Water surface					
	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
16 Jul	4	5	B	A	SW	20	S	17	11.4	11.7	17.2	17.1
17 Jul	4	–	B	–	S	10	–	–	11.3	–	16.5	–
18 Jul	4	2	A	0	E	8	W	17	9.3	10.4	16.6	16.9
19 Jul	–	–	–	–	–	–	–	–	–	–	–	–
20 Jul	3	2	0	0	W	14	S	12.5	8.8	16.3	15.6	13.4
21 Jul	4	4	0	A	–	10	S	15	15.9	12.6	10.9	15.8
22 Jul	4	4	B	0	SW	10	W	10	10.3	11.3	15.6	15.5
23 Jul	4	4	B	0	SW	15	SW	8	8.8	11.6	14.9	14.9
24 Jul	3	2	0	0	W	5	W	12	9.5	11.5	14.6	15.2
25 Jul	2	–	0	–	NW	2	–	–	8.9	–	14.6	–
26 Jul	4	3	0	0	–	0	NW	5	8.3	13.5	14.4	15.0
27 Jul	4	4	0	0	–	0	SW	12	10.3	12.2	14.5	14.5
28 Jul	5	–	0	–	W	7.5	–	–	10.5	–	14.1	–
29 Jul	2	0	0	0	N	5	W	12	11.1	18.6	14.2	14.9
30 Jul	2	3	0	0	W	5	SW	5	12.7	14.5	14.2	15.0
31 Jul	4	4	0	B	SW	10	W	5	12.5	13.6	14.5	14.7
1 Aug	4	4	A	0	NW	10	NW	10	12.0	13.1	14.5	14.7
2 Aug	5	2	0	0	NW	5	W	5	12.8	18.7	14.6	15.3
3 Aug	5	2	0	0	–	0	NW	12	13.6	18.9	14.9	15.7
4 Aug	5	2	0	0	NW	10	NW	10	14.5	20.2	15.2	16.1
5 Aug	2	1	0	0	NW	5	W	12	13.5	19.8	15.5	16.7
6 Aug	4	4	0	0	–	–	SE	12	11.3	15.3	15.8	16.3
7 Aug	3	2	0	0	E	15	E	20	16.1	19.4	14.5	16.8
8 Aug	4	3	A	A	E	10	NE	5	11.5	15.0	16.3	16.5
9 Aug	3	2	0	0	NE	5	E	10	14.3	20.3	16.4	17.1
10 Aug	2	0	0	0	–	0	E	5	14.4	19.5	16.8	17.6
11 Aug	3	3	0	A	NE	3	E	3	13.3	17.7	17.3	17.9
12 Aug	2	2	0	0	E	5	N	10	17.1	21.1	17.6	18.1
13 Aug	4	3	A	A	SW	5	N	5	13.9	17.2	17.8	18.3
14 Aug	4	2	A	0	SE	5	E	5	13.9	17.7	18.1	18.5
15 Aug	4	–	A	–	NW	5	–	–	14.8	–	18.2	–
16 Aug	2	2	0	0	–	0	E	3	12.7	19.2	18.1	18.4
17 Aug	3	4	0	0	SW	2	W	10	14.1	15.5	18.1	18.2

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Appendix B1.–Page 2 of 2.

Date	Cloud cover (code) <sup>a</sup>		Precipitation (code) <sup>b</sup>		Wind				Temperature (°C)			
	AM	PM	AM	PM	Direction & velocity (mph)				Air		Water surface	
					AM	PM	AM	PM	AM	PM	AM	PM
18 Aug	3	4	0	0	W	10	SW	15	15.4	13.3	17.8	17.7
19 Aug	4	–	0	–	SE	5	–	–	11.7	–	17.4	–
20 Aug	2	2	0	0	W	8	W	8	10.7	15.6	17.3	17.5
21 Aug	2	0	0	0	NE	2	NW	10	9.9	16.6	17.1	17.5
22 Aug	3	2	A	0	NE	5	–	0	11.8	19.9	16.7	17.1
23 Aug	5	4	0	0	–	0	NW	5	11.4	15.5	17.1	17.3
24 Aug	4	4	0	A	N	7.5	N	5	12.9	13.9	17.2	17.2
25 Aug	4	–	A	–	W	5	–	–	14.0	–	16.9	–
26 Aug	4	–	0	–	NW	5	–	–	12.0	–	18.4	–
27 Aug	3	4	0	0	SW	2	SW	12	11.9	12.4	16.1	16.3
28 Aug	4	–	A	–	SW	10	–	–	11.5	–	16.0	–
				Minimum		0		0	8.3	10.4	10.9	13.4
				Mean		6		9	12.2	15.8	16.0	16.4
				Maximum		20		20	17.1	21.1	18.4	18.5

<sup>a</sup> Cloud cover code: 0 = No observation made. 1 = Clear sky, cloud covering not more than 1/10 of sky. 2 = Cloud covering not more than 1/2 of sky. 3 = Cloud more than 1/2 of sky. 4 = Completely overcast. 5 = Fog or thick haze.

<sup>b</sup> Precipitation code: A = Intermittent rain. B = Continuous rain. C = Snow. D = Snow and rain mixed. E = Hail. F = Thunderstorms with or without precipitation. 0 = No precipitation.

Appendix B2.–Fall season climatological and stream observations, Middle Mouth Station, Yukon River, 2014.

Date	Cloud cover (code) <sup>a</sup>		Precipitation (code) <sup>b</sup>		Wind				Temperature (°C)			
	AM	PM	AM	PM	Direction & velocity (mph)		Air		Water surface			
					AM	PM	AM	PM	AM	PM		
16 Jul	–	4	–	A	–	–	S	15	10.1	11.1	16.9	16.7
17 Jul	4	–	A	–	SW	20	–	–	11.2	–	16.8	–
18 Jul	4	2	0	0	SW	15	W	15	9.2	9.4	16.4	16.5
19 Jul	–	3	–	0	–	–	N	25	–	10.4	–	15.8
20 Jul	3	3	0	0	W	5	S	5	8.2	14.0	15.3	16.1
21 Jul	4	4	0	0	W	15	SW	10	9.3	10.6	16.2	16.1
22 Jul	4	3	A	0	S	10	N	10	10.3	11.2	15.3	15.5
23 Jul	4	4	B	0	S	5	W	5	8.2	11.5	14.8	14.8
24 Jul	3	1	A	0	W	10	NW	10	9.6	9.5	14.5	14.9
25 Jul	2	3	0	A	NW	5	SW	5	7.3	–	14.3	–
26 Jul	2	3	0	0	–	0	NE	5	9.1	14.3	14.7	15.0
27 Jul	4	4	A	0	–	0	W	10	10.3	10.8	14.4	14.5
28 Jul	5	–	0	–	W	8	–	–	10.1	–	14.1	–
29 Jul	1	1	0	0	N	5	NW	8	12.9	15.3	14.1	14.7
30 Jul	3	–	0	–	NW	5	–	–	13.6	15.6	14.3	14.9
31 Jul	–	–	–	–	–	–	–	–	–	–	–	–
1 Aug	5	3	B	0	SW	12	SW	5	13.7	12.7	14.8	14.7
2 Aug	5	2	0	0	–	0	–	0	12.8	13.8	14.6	14.9
3 Aug	5	2	0	0	–	0	SW	–	13.6	17.6	14.7	15.9
4 Aug	2	2	0	0	–	0	NW	–	16.4	18.7	15.2	16.0
5 Aug	2	4	0	0	–	0	–	0	16.3	13.1	15.8	16.1
6 Aug	3	4	0	A	N	–	SW	–	13.1	16.1	16.1	16.3
7 Aug	3	2	0	0	SE	–	E	–	13.9	15.9	16.2	16.7
8 Aug	2	3	0	0	NE	–	N	–	13.7	14.4	16.4	16.3
9 Aug	3	3	0	0	W	3	–	0	15.5	16	16.3	16
10 Aug	2	3	0	0	–	0	NE	5	15.1	18.8	16.9	17.4
11 Aug	3	3	0	A	–	0	–	0	15.0	19.0	17.1	18
12 Aug	3	2	0	0	NE	3	N	8	13.2	18.9	17.6	17.9
13 Aug	3	3	A	0	NE	5	NW	5	14.2	17.7	17.7	18.2
14 Aug	4	2	A	0	E	5	E	5	14.1	19.3	17.9	18.4
15 Aug	2	–	0	–	E	5	–	–	15.5	–	18.2	–
16 Aug	2	3	0	0	–	0	NE	5	16.4	19.1	17.9	18.4
17 Aug	3	4	0	A	SE	5	SE	10	13.3	12.8	18.1	18.0

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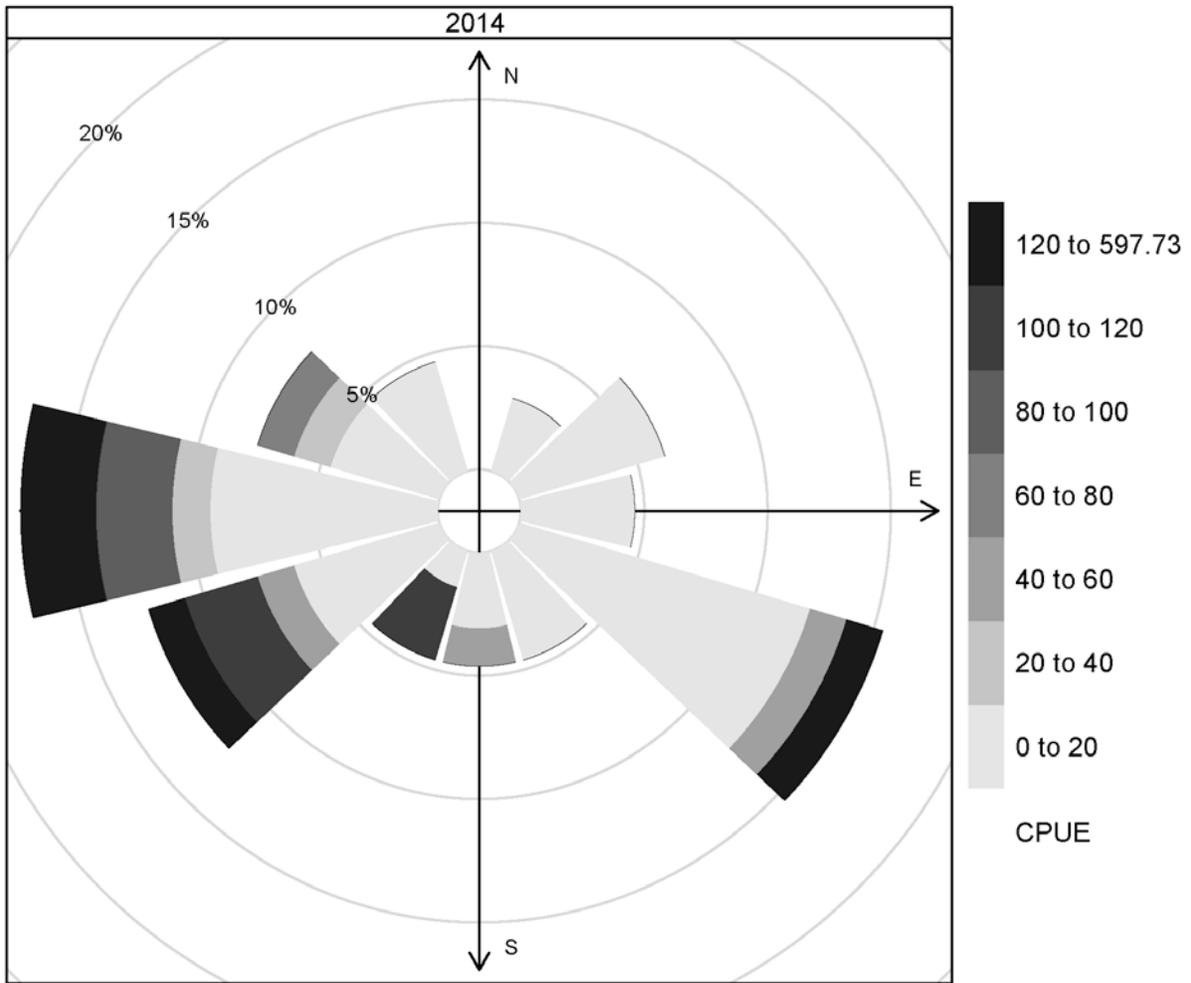
Appendix B2.–Page 2 of 2.

Date	Cloud cover (code) <sup>a</sup>		Precipitation (code) <sup>b</sup>		Wind				Temperature (°C)			
	AM	PM	AM	PM	Direction & velocity (mph)				Air		Water surface	
					AM	PM	AM	PM	AM	PM	AM	PM
18 Aug	3	4	0	0	W	10	SW	10	12.0	12.5	17.6	17.6
19 Aug	2	–	0	–	SW	5	–	–	10.8	–	17.2	–
20 Aug	4	3	0	0	W	5	W	10	12.2	13.4	17.1	17.3
21 Aug	2	2	0	0	N	3	NE	5	9.0	14.3	16.9	17.0
22 Aug	3	2	A	A	NE	5	NE	5	11.6	15.2	16.9	17.1
23 Aug	5	4	0	0	NE	3	NE	5	10.8	17	16.9	17
24 Aug	4	4	0	A	NE	5	NE	–	12.7	13.1	17.0	16.9
25 Aug	3	–	0	–	W	10	–	–	14	–	17	–
26 Aug	4	–	0	–	SE	5	–	–	12	–	17	–
27 Aug	3	3	0	A	SW	5	SW	10	11	13	16	16
28 Aug	–	–	–	–	–	–	–	–	–	–	–	–
				Minimum		0		0	7.3	9.4	14.1	14.5
				Mean		5		7	12.2	14.4	16.2	16.4
				Maximum		20		25	16.4	19.3	18.2	18.4

<sup>a</sup> Cloud cover code: 0 = No observation made. 1 = Clear sky, cloud covering not more than 1/10 of sky. 2 = Cloud covering not more than 1/2 of sky. 3 = Cloud more than 1/2 of sky. 4 = Completely overcast. 5 = Fog or thick haze.

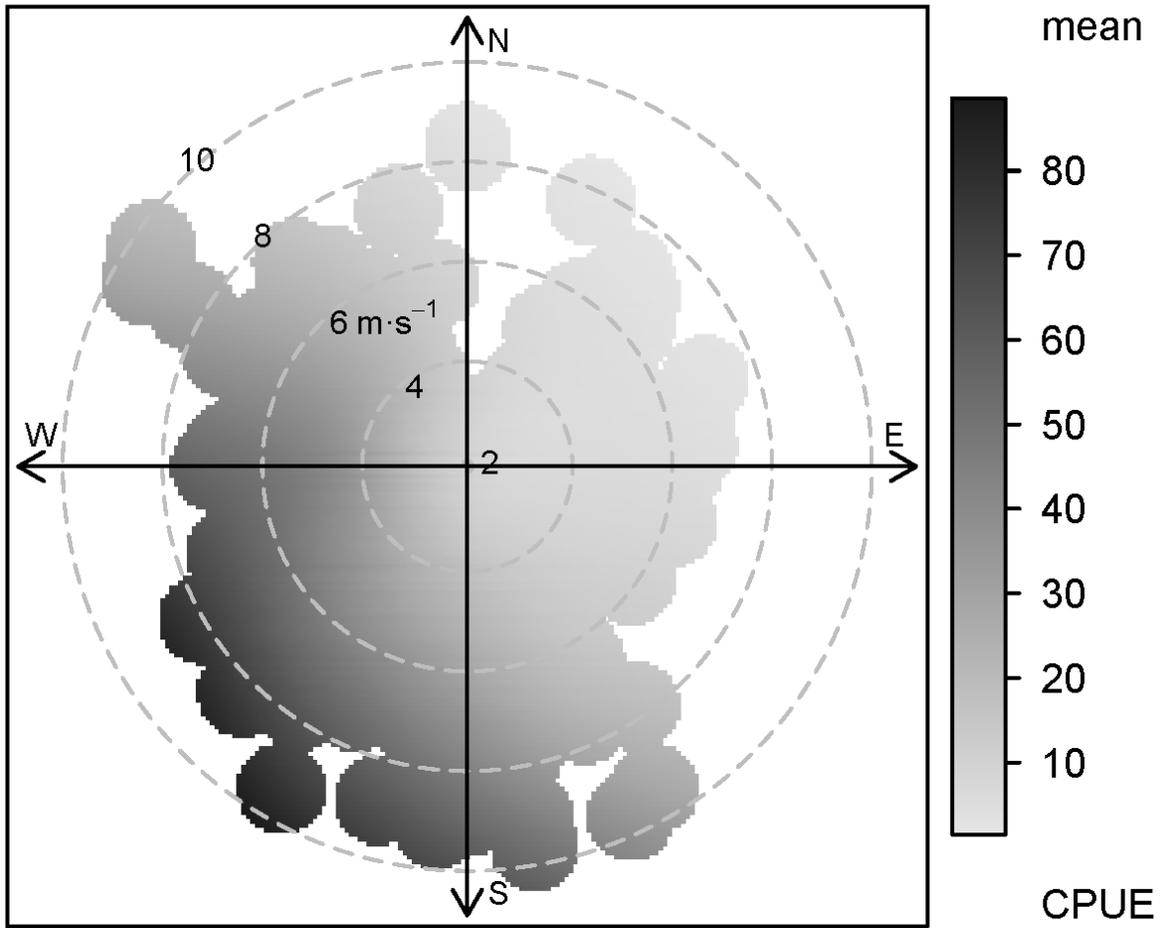
<sup>b</sup> Precipitation code: A = Intermittent rain. B = Continuous rain. C = Snow. D = Snow and rain mixed. E = Hail. F = Thunderstorms with or without precipitation. 0 = No precipitation.

Appendix B3.–Fall season catch per unit effort (CPUE) in relation to Emmonak Airport wind direction, Yukon River, 2014.



Frequency of counts by wind direction (%)

Appendix B4.—Historical fall season mean catch per unit effort (CPUE) in relation to Emmonak Airport wind direction and speed (meters/second [ $\text{m}\cdot\text{s}^{-1}$ ]), Yukon River, 2001-2014.





**APPENDIX C: HISTORICAL DAILY AND CUMULATIVE  
CPUE**

Appendix C1.–Daily and cumulative catch and catch per unit effort (CPUE) of fall chum salmon in the Lower Yukon drift gillnet test fishery in 2014, compared to 2001–2013 historical median.

Date	2014			2001–2013 Median		
	Daily CPUE	Prop.	Cumulative CPUE	Daily CPUE	Prop.	Cumulative CPUE
16 Jul	112.1	0.05	112.1	15.8	0.01	15.8
17 Jul	109.5	0.09	221.6	14.1	0.03	44.2
18 Jul	27.4	0.10	249.0	3.8	0.04	66.4
19 Jul	7.6	0.10	256.5	3.0	0.06	67.2
20 Jul	72.6	0.13	329.1	3.3	0.07	83.9
21 Jul	49.1	0.15	378.2	3.7	0.08	95.7
22 Jul	89.5	0.19	467.7	2.3	0.09	117.1
23 Jul	28.0	0.20	495.8	3.0	0.10	132.2
24 Jul	17.7	0.21	513.4	5.1	0.11	141.9
25 Jul	19.1	0.22	532.6	7.2	0.12	144.2
26 Jul	16.1	0.22	548.7	3.8	0.12	150.8
27 Jul	3.1	0.22	551.8	9.3	0.15	235.7
28 Jul	9.0	0.23	560.8	25.6	0.17	274.9
29 Jul	18.2	0.24	578.9	17.7	0.21	311.2
30 Jul	3.2	0.24	582.1	7.5	0.23	316.8
31 Jul	0.0	0.24	582.1	18.0	0.27	321.7
1 Aug	174.2	0.31	756.3	30.1	0.34	324.0
2 Aug	101.8	0.35	858.1	11.6	0.40	328.5
3 Aug	9.4	0.35	867.5	12.6	0.42	490.4
4 Aug	1.5	0.35	868.9	1.5	0.43	548.3
5 Aug	4.5	0.36	873.4	7.0	0.47	560.3
6 Aug	3.8	0.36	877.2	8.9	0.48	588.7
7 Aug	0.7	0.36	877.9	18.1	0.49	601.4
8 Aug	1.5	0.36	879.4	24.6	0.53	610.5
9 Aug	0.0	0.36	879.4	19.4	0.53	614.3
10 Aug	2.2	0.36	881.6	12.5	0.56	694.8
11 Aug	0.0	0.36	881.6	2.2	0.57	709.2
12 Aug	0.8	0.36	882.3	19.8	0.62	784.4
13 Aug	483.3	0.56	1,365.7	14.5	0.63	784.4
14 Aug	13.9	0.56	1,379.5	17.3	0.67	839.6
15 Aug	1.6	0.56	1,381.1	10.8	0.70	877.3
16 Aug	48.2	0.58	1,429.3	11.0	0.76	920.2
17 Aug	17.7	0.59	1,447.0	12.6	0.79	1,015.0
18 Aug	597.7	0.83	2,044.7	5.9	0.81	1,069.6
19 Aug	114.4	0.88	2,159.1	35.4	0.89	1,116.1
20 Aug	14.4	0.88	2,173.5	16.9	0.92	1,124.4
21 Aug	1.4	0.89	2,174.9	5.7	0.93	1,128.2
22 Aug	4.4	0.89	2,179.3	13.0	0.94	1,139.8
23 Aug	7.3	0.89	2,186.6	9.2	0.97	1,176.4
24 Aug	3.6	0.89	2,190.2	9.4	0.98	1,196.3
25 Aug	130.6	0.94	2,320.8	4.7	0.98	1,199.4
26 Aug	88.7	0.98	2,409.5	5.9	0.99	1,200.9
27 Aug	40.8	1.00	2,450.2	6.6	1.00	1,204.7
28 Aug	5.9	1.00	2,456.1	6.1	1.00	1,230.4
Total			2,456.1			1,230.4

Note: The boxes indicate the quartiles and median of the cumulative CPUE. Differences in the termination dates of the project confound computation of the cumulative proportion and median. As a convenience, the historical daily cumulative and median was computed by assuming that 100% of the run was completed on the date of project termination unless otherwise noted. 2011–2014 LYTF operated through 20 September. Proportions and quartiles reflect CPUE through 28 August for comparison to past years.

Appendix C2.–Daily and cumulative catch and catch per unit effort (CPUE) of fall chum salmon in the Big Eddy drift gillnet test fishery (Sites 1 and 2 and includes Site 3 in 2009) in 2014, compared to 2001–2013 historical median.

Date	2014			2001–2013 Median		
	Daily CPUE	Cumulative		Daily CPUE	Cumulative	
		Prop.	CPUE		Prop.	CPUE
16 Jul	173.4	0.04	173.4	5.4	0.00	5.4
17 Jul	151.8	0.07	325.3	9.2	0.01	20.7
18 Jul	44.0	0.08	369.2	1.6	0.02	20.7
19 Jul	–	0.08	369.2	1.6	0.03	62.7
20 Jul	130.1	0.11	499.3	1.6	0.04	70.6
21 Jul	80.6	0.13	579.9	1.7	0.06	87.3
22 Jul	156.8	0.17	736.7	3.0	0.07	88.8
23 Jul	48.2	0.18	784.9	1.6	0.09	90.4
24 Jul	25.1	0.19	810.0	1.5	0.12	92.0
25 Jul	17.6	0.19	827.6	1.5	0.13	120.4
26 Jul	6.2	0.19	833.8	1.5	0.13	120.4
27 Jul	0.0	0.19	833.8	13.2	0.15	157.7
28 Jul	18.0	0.20	851.8	10.8	0.16	206.3
29 Jul	34.8	0.20	886.6	6.0	0.19	255.3
30 Jul	4.6	0.20	891.2	12.0	0.21	274.9
31 Jul	0.0	0.20	891.2	9.2	0.23	274.9
1 Aug	332.8	0.28	1,224.0	4.7	0.26	301.8
2 Aug	187.7	0.32	1,411.7	2.9	0.30	305.6
3 Aug	17.1	0.33	1,428.8	10.0	0.32	370.6
4 Aug	3.0	0.33	1,431.8	0.0	0.32	374.0
5 Aug	7.6	0.33	1,439.4	4.7	0.33	378.2
6 Aug	6.2	0.33	1,445.6	4.5	0.38	434.1
7 Aug	0.0	0.33	1,445.6	12.3	0.38	434.1
8 Aug	1.5	0.33	1,447.0	8.2	0.38	441.6
9 Aug	0.0	0.33	1,447.0	9.2	0.51	565.2
10 Aug	1.5	0.33	1,448.6	7.4	0.54	663.5
11 Aug	0.0	0.33	1,448.6	1.5	0.54	694.5
12 Aug	1.5	0.33	1,450.1	28.1	0.62	736.4
13 Aug	955.8	0.55	2,405.8	3.6	0.64	812.6
14 Aug	22.0	0.56	2,427.8	2.7	0.64	868.0
15 Aug	3.2	0.56	2,431.0	7.6	0.69	908.7
16 Aug	96.4	0.58	2,527.4	20.4	0.86	1,143.2
17 Aug	35.4	0.59	2,562.8	9.7	0.87	1,144.8
18 Aug	1,108.4	0.84	3,671.2	7.3	0.91	1,144.8
19 Aug	141.8	0.88	3,813.0	6.3	0.93	1,144.8
20 Aug	17.8	0.88	3,830.8	3.1	0.93	1,147.9
21 Aug	2.9	0.88	3,833.7	7.8	0.95	1,169.8
22 Aug	7.2	0.88	3,840.9	4.7	0.95	1,171.3
23 Aug	13.1	0.89	3,853.9	9.9	0.98	1,171.3
24 Aug	5.8	0.89	3,859.7	11.6	0.98	1,171.3
25 Aug	238.3	0.94	4,098.0	4.5	0.98	1,171.3
26 Aug	177.4	0.98	4,275.4	4.5	0.99	1,207.8
27 Aug	71.5	1.00	4,346.9	3.0	1.00	1,210.8
28 Aug	3.0	1.00	4,349.9	5.4	1.00	1,328.5
Total			4,349.9			1,328.5

Note: The boxes indicate the quartiles and median of the cumulative CPUE. Differences in the termination dates of the project confound computation of the cumulative proportion and median. As a convenience, the historical daily cumulative and median was computed by assuming that 100% of the run was completed on the date of project termination unless otherwise noted. 2011–2014 LYTF operated through 20 September. Proportions and quartiles reflect CPUE through 28 August for comparison to past years.

Appendix C3.–Daily and cumulative catch and catch per unit effort (CPUE) of fall chum salmon in the Middle Mouth drift gillnet test fishery (Sites 1 and 2) in 2014, compared to 2001–2013 historical median.

Date	2014			2001–2013 Median		
	Daily CPUE	Cumulative Prop.	CPUE	Daily CPUE	Cumulative Prop.	CPUE
16 Jul	50.7	0.09	50.7	8.6	0.01	8.6
17 Jul	67.2	0.21	117.9	10.1	0.03	19.1
18 Jul	10.8	0.23	128.7	4.5	0.05	30.1
19 Jul	15.1	0.26	143.8	6.0	0.05	36.4
20 Jul	15.2	0.28	159.0	3.1	0.06	58.8
21 Jul	17.6	0.31	176.6	4.6	0.07	81.7
22 Jul	22.2	0.35	198.8	0.0	0.09	89.4
23 Jul	7.9	0.37	206.6	3.1	0.12	92.6
24 Jul	10.3	0.39	216.9	1.5	0.14	92.6
25 Jul	20.7	0.42	237.6	4.6	0.14	96.2
26 Jul	26.1	0.47	263.6	3.1	0.16	98.8
27 Jul	6.2	0.48	269.8	4.7	0.16	198.6
28 Jul	0.0	0.48	269.8	3.0	0.22	198.6
29 Jul	1.5	0.48	271.3	9.2	0.29	269.5
30 Jul	1.7	0.49	273.0	3.1	0.31	294.3
31 Jul	0.0	0.49	273.0	9.7	0.31	295.9
1 Aug	15.5	0.51	288.5	9.7	0.32	295.9
2 Aug	15.9	0.54	304.5	5.3	0.33	351.4
3 Aug	1.6	0.54	306.1	3.0	0.34	371.7
4 Aug	0.0	0.54	306.1	3.7	0.38	371.7
5 Aug	1.3	0.55	307.4	4.4	0.43	389.9
6 Aug	1.5	0.55	308.9	7.6	0.44	395.9
7 Aug	1.4	0.55	310.3	18.0	0.50	426.8
8 Aug	1.5	0.55	311.7	16.9	0.60	443.7
9 Aug	0.0	0.55	311.7	16.3	0.61	496.3
10 Aug	2.9	0.56	314.6	1.5	0.61	503.3
11 Aug	0.0	0.56	314.6	3.0	0.61	503.3
12 Aug	0.0	0.56	314.6	9.2	0.61	521.4
13 Aug	10.9	0.58	325.5	8.8	0.64	526.7
14 Aug	5.7	0.59	331.2	15.8	0.64	529.8
15 Aug	0.0	0.59	331.2	7.3	0.64	532.9
16 Aug	0.0	0.59	331.2	7.7	0.75	594.1
17 Aug	0.0	0.59	331.2	8.6	0.80	597.0
18 Aug	87.1	0.74	418.3	5.9	0.80	609.9
19 Aug	86.9	0.90	505.2	15.0	0.86	657.8
20 Aug	10.9	0.92	516.1	18.8	0.87	832.5
21 Aug	0.0	0.92	516.1	6.5	0.90	871.7
22 Aug	1.6	0.92	517.7	12.1	0.91	871.7
23 Aug	1.5	0.92	519.3	8.1	0.95	960.1
24 Aug	1.4	0.93	520.6	4.5	0.96	1,040.8
25 Aug	22.9	0.97	543.5	4.9	0.97	1,069.1
26 Aug	0.0	0.97	543.5	9.0	0.98	1,091.4
27 Aug	10.0	0.98	553.5	6.2	1.00	1,092.0
28 Aug	8.9	1.00	562.3	3.8	1.00	1,095.5
Total			562.3			1,095.5

Note: The boxes indicate the quartiles and median of the cumulative CPUE. Differences in the termination dates of the project confound computation of the cumulative proportion and median. As a convenience, the historical daily cumulative and median was computed by assuming that 100% of the run was completed on the date of project termination unless otherwise noted. 2011–2014 LYTF operated through 20 September. Proportions and quartiles reflect CPUE through 28 August for comparison to past years.

Appendix C4.–Daily and cumulative catch and catch per unit effort (CPUE) of coho salmon in the Lower Yukon drift gillnet test fishery in 2014, compared to 2001–2013 historical median.

Date	2014			2001–2013 Median		
	Daily CPUE	Cumulative Prop.	CPUE	Daily CPUE	Cumulative Prop.	CPUE
16 Jul	0.0	0.00	0.0	0.0	0.00	0.0
17 Jul	0.0	0.00	0.0	0.0	0.00	0.0
18 Jul	0.0	0.00	0.0	0.0	0.00	0.0
19 Jul	0.0	0.00	0.0	0.0	0.00	0.0
20 Jul	0.0	0.00	0.0	0.0	0.00	0.0
21 Jul	0.7	0.00	0.7	0.0	0.00	0.0
22 Jul	0.0	0.00	0.7	0.0	0.00	0.0
23 Jul	0.0	0.00	0.7	0.0	0.00	0.0
24 Jul	1.8	0.00	2.5	0.0	0.00	0.0
25 Jul	3.0	0.01	5.5	0.0	0.00	0.0
26 Jul	0.0	0.01	5.5	0.0	0.00	0.7
27 Jul	2.2	0.01	7.7	0.0	0.00	0.7
28 Jul	1.5	0.01	9.2	0.8	0.01	2.5
29 Jul	4.5	0.02	13.7	0.7	0.01	3.6
30 Jul	0.0	0.02	13.7	1.5	0.02	4.2
31 Jul	0.0	0.02	13.7	1.6	0.02	6.9
1 Aug	11.5	0.04	25.2	1.9	0.03	9.5
2 Aug	13.6	0.06	38.8	1.4	0.04	11.8
3 Aug	1.6	0.06	40.4	2.2	0.05	17.3
4 Aug	6.7	0.07	47.1	0.7	0.06	18.7
5 Aug	6.0	0.08	53.1	4.4	0.07	21.4
6 Aug	1.5	0.09	54.6	2.9	0.09	26.1
7 Aug	0.8	0.09	55.4	4.8	0.09	32.4
8 Aug	4.4	0.09	59.8	5.2	0.14	34.7
9 Aug	0.0	0.09	59.8	5.6	0.16	45.4
10 Aug	0.0	0.09	59.8	4.4	0.19	62.1
11 Aug	0.0	0.09	59.8	7.6	0.21	68.1
12 Aug	3.0	0.10	62.8	10.2	0.27	103.6
13 Aug	65.7	0.20	128.5	11.6	0.29	111.1
14 Aug	17.2	0.23	145.6	10.4	0.38	118.1
15 Aug	1.6	0.23	147.2	7.3	0.39	128.4
16 Aug	41.4	0.30	188.6	10.1	0.49	151.4
17 Aug	34.1	0.35	222.7	11.1	0.59	175.7
18 Aug	137.1	0.56	359.8	9.2	0.65	181.7
19 Aug	131.9	0.77	491.7	17.7	0.73	202.7
20 Aug	18.2	0.80	509.9	13.5	0.82	243.7
21 Aug	7.3	0.81	517.2	8.3	0.84	249.6
22 Aug	4.3	0.82	521.5	13.9	0.87	258.5
23 Aug	21.7	0.85	543.2	6.0	0.92	276.7
24 Aug	21.7	0.89	564.9	6.1	0.93	283.7
25 Aug	35.6	0.94	600.5	5.2	0.95	292.2
26 Aug	14.4	0.96	614.9	3.7	0.96	293.7
27 Aug	18.1	0.99	633.0	4.3	0.99	299.6
28 Aug	4.5	1.00	637.5	4.4	1.00	341.9
Total			637.5			341.9

Note: The boxes indicate the quartiles and median of the cumulative CPUE. Differences in the termination dates of the project confound computation of the cumulative proportion and median. As a convenience, the historical daily cumulative and median was computed by assuming that 100% of the run was completed on the date of project termination unless otherwise noted. 2011–2014 LYTF operated through 20 September. Proportions and quartiles reflect CPUE through 28 August for comparison to past years.

Appendix C5.–Daily and cumulative catch and catch per unit effort (CPUE) of coho salmon in the Big Eddy drift gillnet test fishery (Sites 1 and 2 and includes Site 3 in 2009) in 2014, compared to 2001–2013 historical median.

Date	2014			2001–2013 Median		
	Daily CPUE	Cumulative		Daily CPUE	Cumulative	
		Prop.	CPUE		Prop.	CPUE
16 Jul	0.0	0.00	0.0	0.0	0.00	0.0
17 Jul	0.0	0.00	0.0	0.0	0.00	0.0
18 Jul	0.0	0.00	0.0	0.0	0.00	0.0
19 Jul	–	0.00	0.0	0.0	0.00	0.0
20 Jul	0.0	0.00	0.0	0.0	0.00	0.0
21 Jul	1.5	0.00	1.5	0.0	0.00	0.0
22 Jul	0.0	0.00	1.5	0.0	0.00	0.0
23 Jul	0.0	0.00	1.5	0.0	0.00	0.0
24 Jul	1.5	0.00	3.0	0.0	0.00	0.0
25 Jul	2.9	0.01	5.9	0.0	0.00	0.0
26 Jul	0.0	0.01	5.9	0.0	0.00	1.3
27 Jul	2.9	0.01	8.8	0.0	0.00	1.4
28 Jul	3.0	0.01	11.8	0.0	0.01	1.5
29 Jul	7.5	0.02	19.3	0.0	0.01	4.4
30 Jul	0.0	0.02	19.3	1.8	0.03	7.8
31 Jul	0.0	0.02	19.3	1.6	0.04	10.7
1 Aug	23.0	0.04	42.3	1.5	0.05	14.8
2 Aug	19.1	0.05	61.4	1.5	0.07	17.8
3 Aug	3.2	0.05	64.6	1.6	0.09	20.7
4 Aug	13.4	0.07	77.9	0.0	0.09	23.7
5 Aug	12.0	0.08	89.9	5.3	0.12	29.3
6 Aug	3.1	0.08	93.0	1.5	0.14	36.6
7 Aug	1.6	0.08	94.6	1.5	0.16	39.2
8 Aug	8.8	0.09	103.4	6.0	0.16	52.9
9 Aug	0.0	0.09	103.4	2.9	0.18	54.4
10 Aug	0.0	0.09	103.4	3.2	0.23	57.3
11 Aug	0.0	0.09	103.4	5.5	0.28	63.0
12 Aug	4.4	0.09	107.8	14.5	0.31	82.1
13 Aug	124.3	0.20	232.2	5.1	0.35	103.9
14 Aug	32.8	0.23	265.0	5.8	0.38	133.5
15 Aug	3.2	0.23	268.2	8.5	0.44	143.0
16 Aug	82.7	0.30	350.9	9.1	0.52	170.4
17 Aug	68.2	0.36	419.1	12.3	0.65	201.4
18 Aug	254.6	0.57	673.7	7.7	0.70	217.4
19 Aug	226.4	0.77	900.1	11.1	0.83	217.4
20 Aug	32.2	0.79	932.3	3.0	0.84	251.3
21 Aug	14.5	0.80	946.8	3.8	0.84	257.9
22 Aug	8.6	0.81	955.4	8.9	0.86	259.4
23 Aug	43.4	0.85	998.9	1.5	0.91	264.0
24 Aug	42.0	0.88	1,040.9	7.6	0.95	271.3
25 Aug	71.3	0.95	1,112.1	3.0	0.95	271.3
26 Aug	28.7	0.97	1,140.8	3.2	0.96	280.1
27 Aug	30.4	1.00	1,171.2	1.6	0.99	293.1
28 Aug	5.2	1.00	1,176.5	3.7	1.00	295.2
Total			1,176.5			295.2

Note: The boxes indicate the quartiles and median of the cumulative CPUE. Differences in the termination dates of the project confound computation of the cumulative proportion and median. As a convenience, the historical daily cumulative and median was computed by assuming that 100% of the run was completed on the date of project termination unless otherwise noted. 2011–2014 LYTF operated through 20 September. Proportions and quartiles reflect CPUE through 28 August for comparison to past years.

Appendix C6.–Daily and cumulative catch and catch per unit effort (CPUE) of coho salmon in the Middle Mouth drift gillnet test fishery (Sites 1 and 2) in 2014, compared to 2001–2013 historical median.

Date	2014			2001–2013 Median		
	Daily CPUE	Cumulative		Daily CPUE	Cumulative	
		Prop.	CPUE		Prop.	CPUE
16 Jul	0.0	0.00	0.0	0.0	0.00	0.0
17 Jul	0.0	0.00	0.0	0.0	0.00	0.0
18 Jul	0.0	0.00	0.0	0.0	0.00	0.0
19 Jul	0.0	0.00	0.0	0.0	0.00	0.0
20 Jul	0.0	0.00	0.0	0.0	0.00	0.0
21 Jul	0.0	0.00	0.0	0.0	0.00	0.0
22 Jul	0.0	0.00	0.0	0.0	0.00	0.0
23 Jul	0.0	0.00	0.0	0.0	0.00	0.0
24 Jul	2.1	0.02	2.1	0.0	0.00	0.0
25 Jul	3.1	0.05	5.1	0.0	0.00	0.0
26 Jul	0.0	0.05	5.1	0.0	0.00	0.0
27 Jul	1.5	0.07	6.7	0.0	0.00	0.0
28 Jul	0.0	0.07	6.7	0.0	0.00	0.0
29 Jul	1.5	0.08	8.2	0.0	0.00	1.7
30 Jul	0.0	0.08	8.2	0.0	0.01	3.0
31 Jul	0.0	0.08	8.2	0.0	0.01	4.4
1 Aug	0.0	0.08	8.2	0.0	0.01	4.4
2 Aug	8.0	0.16	16.2	0.0	0.01	4.7
3 Aug	0.0	0.16	16.2	1.5	0.02	8.8
4 Aug	0.0	0.16	16.2	0.0	0.02	8.8
5 Aug	0.0	0.16	16.2	1.6	0.04	15.8
6 Aug	0.0	0.16	16.2	1.3	0.06	18.2
7 Aug	0.0	0.16	16.2	1.5	0.08	26.4
8 Aug	0.0	0.16	16.2	4.6	0.11	40.4
9 Aug	0.0	0.16	16.2	4.5	0.19	56.6
10 Aug	0.0	0.16	16.2	1.6	0.19	63.0
11 Aug	0.0	0.16	16.2	3.2	0.20	63.0
12 Aug	1.5	0.18	17.7	7.6	0.24	67.1
13 Aug	7.1	0.25	24.7	7.3	0.26	99.2
14 Aug	2.0	0.27	26.3	6.7	0.30	150.5
15 Aug	0.0	0.27	26.3	6.0	0.31	155.1
16 Aug	0.0	0.27	26.3	6.4	0.35	165.8
17 Aug	0.0	0.27	26.3	11.9	0.50	200.7
18 Aug	19.6	0.47	45.9	10.3	0.51	208.6
19 Aug	37.5	0.85	83.4	8.2	0.63	231.4
20 Aug	4.2	0.89	87.6	19.7	0.81	308.6
21 Aug	0.0	0.89	87.6	11.4	0.84	328.2
22 Aug	0.0	0.89	87.6	17.7	0.86	341.0
23 Aug	0.0	0.89	87.6	6.8	0.90	347.1
24 Aug	1.4	0.90	88.9	4.5	0.91	350.1
25 Aug	0.0	0.90	88.9	7.4	0.92	354.6
26 Aug	0.0	0.90	88.9	4.7	0.96	365.3
27 Aug	5.9	0.96	94.8	3.2	0.97	368.4
28 Aug	3.7	1.00	98.5	5.6	1.00	378.1
Total			98.5			378.1

Note: The boxes indicate the quartiles and median of the cumulative CPUE. Differences in the termination dates of the project confound computation of the cumulative proportion and median. As a convenience, the historical daily cumulative and median was computed by assuming that 100% of the run was completed on the date of project termination unless otherwise noted. 2011–2014 LYTF operated through 20 September. Proportions and quartiles reflect CPUE through 28 August for comparison to past years.



## **APPENDIX D: FISHING SITES AND CATCH DATA**

Appendix D1.—Mean fishing times from Big Eddy drift gillnet sites 1 and 2 and fall chum and coho salmon catches, Yukon River, 2014.

Date	Big Eddy drift gillnet sites											
	Site 1						Site 2					
	Morning drifts (AM)			Evening drifts (PM)			Morning drifts (AM)			Evening drifts (PM)		
	Fishing time (min)	Salmon catch		Fishing time (min)	Salmon catch		Fishing time (min)	Salmon catch		Fishing time (min)	Salmon catch	
Fall chum		Coho	Fall chum		Coho	Fall chum		Coho	Fall chum		Coho	
16 Jul	21.0	24	0	23.0	42	0	22.0	33	0	16.0	21	0
17 Jul	16.5	17	0	—	—	—	16.0	24	0	—	—	—
18 Jul	20.0	5	0	19.5	11	0	21.5	14	0	19.5	0	0
19 Jul	—	—	—	—	—	—	—	—	—	—	—	—
20 Jul	19.5	13	0	21.5	27	0	19.5	28	0	21.5	21	0
21 Jul	22.5	24	0	18.5	13	0	21.0	8	0	20.5	11	1
22 Jul	19.5	22	0	19.5	17	0	22.0	37	0	22.0	34	0
23 Jul	18.5	7	0	19.0	5	0	22.5	20	0	80.0	6	0
24 Jul	21.0	8	0	18.5	1	0	19.5	5	1	20.5	3	0
25 Jul	19.0	0	0	—	—	—	20.5	6	1	—	—	—
26 Jul	19.5	2	0	19.0	0	0	19.0	2	0	19.0	0	0
27 Jul	24.0	0	0	10.5	0	1	19.5	0	0	21.0	0	0
28 Jul	19.0	0	0	—	—	—	20.0	6	1	—	—	—
29 Jul	19.5	6	0	19.5	2	0	20.0	9	3	20.0	6	2
30 Jul	19.0	1	0	21.0	1	0	19.0	1	0	18.5	0	0
31 Jul	19.5	0	0	20.5	0	0	19.5	0	0	19.5	0	0
1 Aug	19.5	18	2	17.0	20	1	19.5	35	4	7.5	54	3
2 Aug	21.0	21	2	18.0	0	0	7.5	33	3	14.0	12	2
3 Aug	19.0	2	1	19.0	0	0	19.5	7	0	19.0	2	1
4 Aug	20.0	0	0	21.0	0	0	20.0	1	5	20.5	1	4
5 Aug	20.0	1	2	18.5	0	0	20.0	3	6	18.5	1	0
6 Aug	18.5	0	0	20.0	0	0	19.5	4	2	18.5	0	0
7 Aug	19.5	0	0	19.5	0	0	19.0	0	1	18.5	0	0
8 Aug	20.0	0	0	19.0	0	0	20.5	1	5	20.0	0	1
9 Aug	19.0	0	0	21.0	0	0	20.0	0	0	18.5	0	0
10 Aug	19.5	1	0	20.5	0	0	18.5	0	0	20.5	0	0
11 Aug	19.0	0	0	19.5	0	0	17.0	0	0	20.0	0	0
12 Aug	19.0	0	0	19.5	0	0	20.5	0	2	20.0	1	1
13 Aug	8.5	16	1	11.0	47	5	14.5	74	17	5.0	103	12
14 Aug	18.0	6	8	20.0	0	0	20.0	8	13	21.0	0	0
15 Aug	21.5	0	0	—	—	—	19.0	1	1	—	—	—

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Date	Big Eddy drift gillnet sites											
	Site 1						Site 2					
	Morning drifts (AM)			Evening drifts (PM)			Morning drifts (AM)			Evening drifts (PM)		
	Fishing time (min)	Salmon catch		Fishing time (min)	Salmon catch		Fishing time (min)	Salmon catch		Fishing time (min)	Salmon catch	
Fall chum		Coho	Fall chum		Coho	Fall chum		Coho	Fall chum		Coho	
16 Aug	20.5	0	0	17.0	9	17	21.5	19	12	10.0	18	12
17 Aug	21.5	4	8	18.5	6	6	20.5	6	29	18.5	7	3
18 Aug	22.0	100	14	20.0	24	13	3.0	81	12	5.0	21	16
19 Aug	22.0	16	11	–	–	–	11.0	18	36	–	–	–
20 Aug	19.5	3	4	19.0	1	0	20.5	6	10	21.0	2	8
21 Aug	20.5	0	2	21.0	0	1	21.0	2	6	19.0	0	1
22 Aug	20.5	0	0	20.5	2	2	21.5	0	0	21.0	3	4
23 Aug	22.0	2	9	20.0	0	2	18.5	3	14	22.0	4	4
24 Aug	20.5	1	0	14.0	0	3	21.5	2	4	20.0	1	20
25 Aug	22.0	15	2	–	–	–	15.5	51	17	–	–	–
26 Aug	20.0	10	5	–	–	–	17.5	43	4	–	–	–
27 Aug	21.0	20	2	20.5	5	3	23.0	25	12	20.0	2	5
28 Aug	20.0	1	0	–	–	–	23.0	0	2	–	–	–
29 Aug	19.5	2	3	19.5	4	2	19.5	0	3	19.5	0	1
30 Aug	19.5	1	1	20.0	3	1	19.5	1	1	20.0	0	0
31 Aug	19.5	0	2	19.5	4	2	19.5	0	0	20.0	2	3
1 Sep	–	–	–	–	–	–	–	–	–	–	–	–
2 Sep	19.5	1	1	19.5	2	2	19.5	1	3	19.5	4	2
3 Sep	–	–	–	–	–	–	–	–	–	–	–	–
4 Sep	19.5	0	1	19.5	1	0	19.5	0	0	19.5	0	0
5 Sep	19.5	1	1	–	–	–	19.5	1	2	–	–	–
6 Sep	19.5	4	3	19.5	5	1	19.5	2	3	19.5	2	2
7 Sep	19.5	0	2	19.5	0	0	19.5	0	1	19.5	0	1
8 Sep	19.5	0	0	19.5	0	1	19.5	0	2	20.0	0	0
9 Sep	19.5	0	0	19.5	1	0	19.5	0	0	19.5	0	0
10 Sep	19.5	0	0	19.5	0	0	19.5	0	0	19.5	0	0
11 Sep	19.5	1	0	–	–	–	19.5	0	0	–	–	–

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Date	Big Eddy drift gillnet sites												
	Site 1						Site 2						
	Morning drifts (AM)			Evening drifts (PM)			Morning drifts (AM)			Evening drifts (PM)			
	Fishing time (min)	Salmon catch		Fishing time (min)	Salmon catch		Fishing time (min)	Salmon catch		Fishing time (min)	Salmon catch		
Fall chum		Coho	Fall chum		Coho	Fall chum		Coho	Fall chum		Coho		
12 Sep	19.5	0	0	–	–	–	19.5	0	1	–	–	–	<sup>b</sup>
13 Sep	22.0	0	0	19.5	1	0	19.5	1	0	19.5	0	1	
14 Sep	19.5	1	0	19.5	0	0	19.5	0	0	19.5	1	0	
15 Sep	19.5	0	0	19.5	1	0	19.5	0	0	19.5	0	0	
16 Sep	19.5	0	1	19.5	0	0	19.5	0	0	19.5	0	0	
17 Sep	19.5	0	0	19.5	0	0	19.5	0	0	19.5	0	0	
18 Sep	19.5	2	0	–	–	–	19.5	0	0	–	–	–	<sup>b</sup>
19 Sep	19.5	0	0	–	–	–	19.5	0	0	–	–	–	<sup>b</sup>
20 Sep	19.0	0	0	19.5	0	0	19.5	0	0	19.5	0	0	
Drift average	19.7			19.1			19.1			19.8			
St. Dev.	1.8			2.1			3.1			9.3			
Total catch		379	88		255	63		622	239		343	110	

Note: Gear is 6.0 inch stretch mesh, 35 meshes deep, and 50 fathoms long, unless otherwise noted. In 2014, ADF&G ceased operation of project on 28 August. Kwik'pak Fisheries and YDFDA personnel assumed LYTF operations through 20 September.

<sup>a</sup> Drifts cancelled due to commercial period.

<sup>b</sup> Drifts cancelled due to hazardous weather.

Appendix D2.–Mean fishing time from Middle Mouth drift gillnet sites 1 and 2 and fall chum and coho salmon catches, Yukon River, 2014.

Date	Middle Mouth drift gillnet sites											
	Site 1						Site 2					
	Morning drifts (AM)			Evening drifts (PM)			Morning drifts (AM)			Evening drifts (PM)		
	Fishing time (min)	Salmon Catch		Fishing time (min)	Salmon catch		Fishing time (min)	Salmon catch		Fishing time (min)	Salmon catch	
Fall chum		Coho	Fall chum		Coho	Fall chum		Coho	Fall chum		Coho	
16 Jul	20.0	5	0	19.5	5	0	18.0	6	0	20.0	17	0
17 Jul	18.5	5	0	–	–	– <sup>a</sup>	20.0	17	0	–	–	– <sup>a</sup>
18 Jul	20.0	0	0	19.0	1	0	19.5	1	0	19.5	5	0
19 Jul	–	–	– <sup>b</sup>	19.0	2	0	–	–	– <sup>b</sup>	20.5	3	0
20 Jul	19.0	0	0	19.5	2	0	18.5	1	0	20.0	7	0
21 Jul	20.0	3	0	19.5	0	0	20.5	7	0	21.0	2	0
22 Jul	20.5	0	0	19.5	1	0	20.0	4	0	20.5	10	0
23 Jul	19.5	0	0	19.5	1	0	19.0	4	0	15.5	0	0
24 Jul	19.5	2	1	20.0	0	0	19.5	3	0	–	–	– <sup>c</sup>
25 Jul	19.5	3	1	–	–	– <sup>a</sup>	21.0	4	0	–	–	– <sup>a</sup>
26 Jul	19.5	1	0	20.0	5	0	19.0	3	0	22.0	9	0
27 Jul	19.5	0	0	20.0	0	0	21.5	0	0	19.5	4	1 <sup>a</sup>
28 Jul	19.0	0	0	–	–	– <sup>a</sup>	19.0	0	0	–	–	– <sup>a</sup>
29 Jul	19.5	0	0	20.0	0	0	19.0	0	0	19.5	1	1
30 Jul	19.5	0	0	18.0	0	0	17.5	1	0	19.5	0	0 <sup>d</sup>
31 Jul	–	–	– <sup>d</sup>	–	–	– <sup>d</sup>	–	–	– <sup>d</sup>	–	–	– <sup>d</sup>
1 Aug	15.0	0	0	16.5	0	0	17.0	2	0	17.5	7	0
2 Aug	17.5	1	1	18.5	0	0	19.0	7	3	19.0	2	1
3 Aug	18.5	0	0	18.5	1	0	17.5	0	0	18.5	0	0
4 Aug	14.5	0	0	19.5	0	0	19.5	0	0	19.5	0	0
5 Aug	19.5	0	0	21.5	0	0	20.5	0	0	22.5	1	0
6 Aug	19.5	0	0	19.5	0	0	20.5	1	0	20.5	0	0
7 Aug	21.5	1	0	19.5	0	0	19.5	0	0	20.5	0	0
8 Aug	18.5	0	0	19.5	0	0	19.5	0	0	20.5	1	0
9 Aug	19.5	0	0	19.0	0	0	21.5	0	0	19.0	0	0
10 Aug	21.5	1	0	20.0	0	0	19.5	0	0	20.5	1	0
11 Aug	20.5	0	0	20.0	0	0	20.5	0	0	20.0	0	0
12 Aug	21.0	0	0	20.0	0	0	21.0	0	0	20.5	0	1
13 Aug	20.5	0	0	21.0	0	2	20.5	0	1	22.0	8	2
14 Aug	19.5	0	1	20.0	0	0	21.0	4	0	20.5	0	0

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Middle Mouth drift gillnet sites														
Site 1							Site 2							
Morning drifts (AM)				Evening drifts (PM)			Morning drifts (AM)			Evening drifts (PM)				
Date	Fishing time (min)	Salmon catch		Fishing Time (min)	Salmon catch		Fishing time (min)	Salmon catch		Fishing time (min)	Salmon catch			
		Fall chum	Coho		Fall chum	Coho		Fall chum	Coho		Fall chum	Coho		
15 Aug	21.0	0	0	–	–	–	<sup>a</sup>	20.5	0	0	–	–	–	<sup>a</sup>
16 Aug	19.5	0	0	20.0	0	0		10.0	0	0	20.5	0	0	
17 Aug	19.5	0	0	19.5	0	0		21.0	0	0	20.5	0	0	
18 Aug	21.5	1	0	19.5	3	1		19.0	20	1	20.0	33	11	
19 Aug	21.0	2	2	–	–	–	<sup>a</sup>	17.0	23	9	–	–	–	<sup>a</sup>
20 Aug	19.0	0	0	20.5	0	0		22.0	8	2	20.5	0	1	
21 Aug	20.0	0	0	20.5	0	0		21.0	0	0	21.0	0	0	
22 Aug	20.5	0	0	19.5	0	0		18.5	1	0	21.5	0	0	
23 Aug	20.5	0	0	21.0	0	0		19.5	1	0	19.5	0	0	
24 Aug	19.5	0	0	20.5	0	0		20.5	0	0	22.0	1	1	
25 Aug	19.0	0	0	–	–	–	<sup>a</sup>	21.0	8	0	–	–	–	<sup>a</sup>
26 Aug	19.5	0	0	–	–	–	<sup>a</sup>	21.0	0	0	–	–	–	<sup>a</sup>
27 Aug	19.5	0	0	19.0	0	1		21.0	0	1	21.0	7	2	
28 Aug	–	–	–	<sup>d</sup>	–	–	<sup>d</sup>	–	–	–	–	–	–	<sup>d</sup>
29 Aug	19.5	0	0	19.5	3	1		19.5	1	0	19.5	1	0	
30 Aug	19.5	0	6	19.5	2	7		19.5	3	2	19.5	2	2	
31 Aug	19.5	0	3	19.5	0	3		19.5	0	3	19.5	1	2	
1 Sep	–	–	–	<sup>b</sup>	–	–	<sup>a</sup>	–	–	–	–	–	–	<sup>a</sup>
2 Sep	19.5	0	0	19.5	1	2		19.5	0	0	19.5	4	27	
3 Sep	–	–	–	<sup>a</sup>	–	–	<sup>a</sup>	–	–	–	<sup>a</sup>	–	–	<sup>a</sup>
4 Sep	19.0	0	1	19.5	0	0		19.5	0	1	19.5	0	0	
5 Sep	19.5	0	2	–	–	–	<sup>a</sup>	19.5	0	0	–	–	–	<sup>a</sup>
6 Sep	19.5	0	1	19.5	0	2		19.5	0	2	19.5	1	3	
7 Sep	19.5	0	1	19.5	0	3		19.5	0	3	19.5	0	0	
8 Sep	19.5	0	0	19.5	0	1		19.5	0	0	19.5	0	0	
9 Sep	19.5	0	0	19.5	0	0		19.5	0	0	19.5	0	0	
10 Sep	20.0	0	1	19.5	0	1		19.5	0	0	19.5	0	0	
11 Sep	19.5	0	0	–	–	–	<sup>b</sup>	19.5	0	0	–	–	–	<sup>b</sup>

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Date	Middle Mouth drift gillnet sites											
	Site 1						Site 2					
	Morning drifts (AM)			Evening drifts (PM)			Morning drifts (AM)			Evening drifts (PM)		
	Fishing time (min)	Salmon catch		Fishing time (min)	Salmon catch		Fishing time (min)	Salmon catch		Fishing time (min)	Salmon catch	
Fall chum		Coho	Fall chum		Coho	Fall chum		Coho	Fall chum		Coho	
12 Sep	19.5	0	0	–	–	–	19.5	0	0	–	–	–
13 Sep	19.5	0	0	19.5	0	0	19.5	0	0	19.5	0	0
14 Sep	19.5	0	0	19.5	0	1	19.5	2	0	19.5	0	2
15 Sep	19.5	1	0	19.5	0	0	19.5	0	1	19.5	0	0
16 Sep	19.5	1	0	19.5	0	0	19.5	0	0	19.5	0	0
17 Sep	19.5	0	0	19.5	0	0	19.5	0	0	20.0	0	0
18 Sep	19.5	0	0	–	–	–	19.5	0	0	–	–	–
19 Sep	19.5	0	0	–	–	–	19.5	0	0	–	–	–
20 Sep	19.5	0	0	19.5	0	0	19.5	0	1	19.5	0	0
Drift Average	19.5			19.6			19.5			20.0		
SD	1.1			0.7			1.6			1.1		
Total Catch			27 21			27 25			132 30			128 57

Note: Gear is 6.0 inch stretch mesh, 35 meshes deep, and 50 fathoms long, unless otherwise noted. In 2014, ADF&G ceased operation of project on 28 August. Kwik'pak Fisheries and YDFDA personnel assumed LYTF operations through 20 September.

<sup>a</sup> Drifts cancelled due to commercial period.

<sup>b</sup> Drifts cancelled due to hazardous weather.

<sup>c</sup> Drifts cancelled due to mechanical problems

<sup>d</sup> Drifts cancelled with no documentation why.

Appendix D3.—Species captured, retained, and released during the fall season in the Lower Yukon drift gillnet test fishery, Yukon River, 2014.

Species	Total	
	Fall chum	Coho
Fish released unharmed	71	19
Test fish sales	30	0
Fish discarded	0	0
Test fish donated locally	1,894	763
Total catch	1,995	782

*Note:* Information is not available by station, Big Eddy or Middle Mouth.